EL MOTAMYEZ - MATH QUESTIONS BANK

FINAL REVISION

Question 01

Choose the correct answer

1	The smallest like denominator of	of $\frac{5}{6}$	and $\frac{1}{3}$	is
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-	-			
1			1	Q
v		,	т	O

The simplest form of form of
$$\frac{6}{12}$$
 is

$$\bigcirc \frac{1}{2}$$

$$\bigcirc \quad \frac{2}{3}$$

$$\frac{5}{6}$$

$$\frac{12}{6}$$

$$\bigcirc$$
 $\frac{1}{2}$

$$\frac{2}{6}$$
 x 3 =

$$\bigcirc \frac{5}{6}$$

$$\frac{10}{5}$$

8
$$\frac{3}{11}$$
 x = $\frac{4}{11}$ + $\frac{4}{11}$ + $\frac{2}{11}$

$$\frac{6}{4}$$

$$\frac{11}{3} \frac{8}{15} \times$$

(a)
$$\frac{14}{11}$$

(b) $3\frac{1}{2}$
(c) 4
(d) $\frac{18}{15}$
(e) 4
(f) $\frac{1}{2}$
(f) $\frac{1}{2}$
(f) $\frac{1}{2}$
(f) $\frac{1}{2}$
(g) $\frac{1}{2}$
(h) $\frac{1}{2}$
(e) $\frac{1}{2}$
(f) $\frac{1}{2}$
(f) $\frac{1}{2}$
(g) $\frac{1}{2}$
(h) $\frac{1}{2}$
(g) $\frac{1}{2}$
(h) $\frac{1}{2}$
(g) $\frac{1}{2}$
(h) $\frac{1}{2}$
(g) $\frac{1}{2}$

$$3\frac{1}{2}$$

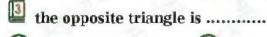
(a)
$$\frac{20}{20}$$

$$\frac{1}{2}$$

$$7\frac{3}{4}$$
 hours = hours + minutes

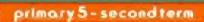
right

b
$$7, \frac{1}{2}$$
 c $7, 15$

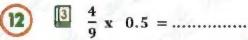








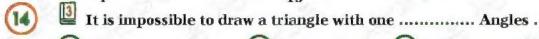




b
$$\frac{20}{9}$$

(b)
$$\frac{25}{15}$$

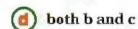
$$\frac{2}{15}$$



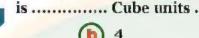


(b) Obtuse





Volume of





the solid which has 5 vertices and 8 edges is

(a) Cone





the measure of an acute angle the measure of an obtuse angle

(a) <</p>



18 8 ÷ e = 40 , then e =

(a) 40

 $\frac{9}{40}$

© 5

 \bigcirc $\frac{1}{5}$

overestimate

b underestimate

 $\frac{7}{9} - \frac{3}{9} = 1$

(a) \(\frac{4}{9}\)

 \bigcirc $\frac{5}{0}$

© 1

(21) $m(<A) = 40^{\circ}$, $m(<B) = 70^{\circ}$, $m(<C) = 70^{\circ}$, then it is atriangle.

(a) right

(b) Obtuse

c acute

(d) otherwise

b $3\frac{2}{6}$

(c) 6

 $\bigcirc \frac{6}{6}$

b $2\frac{1}{6}$

© 2

 \bigcirc $\frac{5}{2}$

 $\frac{1}{2}$ hours = hours + minutes

3,30

b $3, \frac{1}{2}$

© :

4 , 2

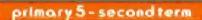
(a) 1

 $\frac{1}{35}$

© 35

 $\frac{3}{7}$





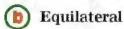




3	tho	annacita	triangle	ie	
- ·	uie	opposite	triangle	15	

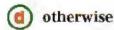


(a) scalene





isosceles



Data can be represented by

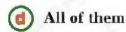


Line plot

(b) Pie graph



pictograph



(28)



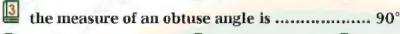
...... Triangle has 2 acute angles and 1 right angle .







29





(a) 3





30

the number of horizontal layer is





(31)

the cube has Faces .

() 12



18 months = Year

All of them

(33)

the simplest form of 4 $\frac{2}{10}$ is



(b)
$$4\frac{1}{5}$$

$$\frac{42}{10}$$

(d)
$$2\frac{3}{4}$$

 $\frac{25}{8}$ is equivalent to



b
$$3\frac{1}{25}$$

$$\bigcirc 3\frac{1}{8}$$

 $3\frac{5}{6}$ is equivalent to

(a)
$$2\frac{5}{6}$$

$$\frac{1}{25}$$

$$\frac{1}{6}$$

$$\frac{23}{6}$$

 $\frac{36}{6}$ 3 $\frac{2}{6}$ is equivalent to

(a)
$$2\frac{8}{6}$$

(b)
$$3\frac{1}{6}$$

©
$$2\frac{2}{6}$$

 $8\frac{8}{8}$ is equivalent to



(b)
$$8\frac{1}{8}$$

 $4\frac{2}{10}$ is equivalent to

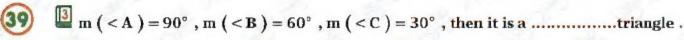
(a)
$$4\frac{20}{100}$$

b
$$4\frac{1}{5}$$

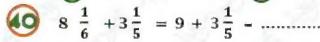
$$\frac{42}{10}$$







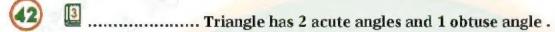
- (b) Obtuse
- (c) acute
- (d) otherwise



- **b** $4\frac{1}{5}$

- the volume of this solid is Cube units .

(d) 9



- (b) Obtuse
- (c) right
- (d) otherwise

- the measure of a right angle is

- (c) 90°
- d) 180°

- 3

d 1

- (a) 4 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3 + \frac{1}{5} \dots$ (a) $12\frac{1}{5}$ (b) $4\frac{1}{5}$ (d) $\frac{8}{7} \times 3 = 4 \times \frac{1}{7}$

- (c)

- (c)

(d) otherwise

- $m (< G) = 110^{\circ}, m (< D) = 35^{\circ}, m (< F) = 35^{\circ}, then it is antriangle$

- (a) right
- (b) Obtuse
- (c) acute
- (d) otherwise

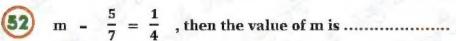
- $4\frac{2}{3} + 3\frac{9}{10}$ is estimated as
 - (a) $4\frac{1}{2} + 4$
- **(b)** $1+\frac{1}{2}$ **(c)** $4+\frac{1}{2}$
- $31+4\frac{1}{2}$

- Length x width x height =
 - (a) Area
- (b) Perimeter (c) volume
- Base area





primary 5 - second term





(a) $\frac{27}{28}$ (b) $\frac{13}{28}$ (53) $\frac{7}{14}$ + e = 1 , then the value of e is

 $\frac{12}{20}$ is equivalent to

4 $\frac{1}{12}$ years = years + months

b $4,\frac{1}{12}$ **c** 4,1

4,12

57 Triangle has 3 acute angles and 0 obtuse angle .

(a) right

(b) Obtuse

(c) acute

(d) otherwise

the measure of an obtuse angle may be

(b) 40°

(c) 90°

110°

(d) otherwise

(b) $3\frac{1}{2}$

AB = BC = 6.32 cm, AC is less than them, then it is antriangle.

scalene

(b) Equilateral

isosceles

otherwise

the volume of this solid is Cubes.

(d) 10

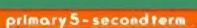
the sum of the measures of angles around at a point is equal°

360

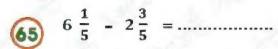
180











(a)
$$4\frac{4}{5}$$

b
$$4\frac{2}{5}$$

(c)
$$3\frac{3}{5}$$



$$3\frac{1}{8} + 2\frac{3}{8} = \dots$$

(a)
$$5\frac{4}{5}$$

b
$$5\frac{1}{2}$$

$$1\frac{4}{8}$$

$$1\frac{2}{8}$$

(a)
$$6\frac{2}{3}$$

(b)
$$6\frac{7}{9}$$

$$6\frac{1}{9}$$



b
$$3\frac{2}{3}$$

$$\bigcirc$$
 $\frac{8}{3}$



45 minutes = Hours

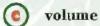
(a)
$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\bigcirc \frac{3}{4}$$



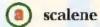
base area x height =



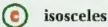


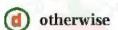


Triangle has 3 different sides .



(b) Equilateral





(72)

Ais bounded by an arc and two radii .











the colored part represent Of the circle .



(b) 0.5





(74)

3 75 minutes = Hours



(b)
$$1\frac{1}{4}$$

(75)

Which is equal to $6 \times \frac{3}{9}$

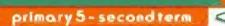


$$\bigcirc$$
 $3 \times \frac{6}{9}$

$$\bigcirc$$
 18 x $\frac{1}{9}$

$$5 + \frac{3}{5} + \frac{2}{5} = \dots$$

(a)
$$5\frac{2}{5}$$





$\frac{2}{3} + \frac{7}{12} = 1 + \dots$ $\frac{2}{5}$

$$\bigcirc \frac{2}{5}$$

(b)
$$\frac{1}{4}$$

$$\bigcirc$$
 $\frac{1}{3}$

$$\bigcirc \frac{1}{5}$$

$$\frac{1}{4} + \frac{3}{12} = 1 - \dots$$

$$\bigcirc \frac{1}{4}$$

$$\bigcirc$$
 $\frac{1}{3}$

$$\bigcirc \frac{1}{5}$$

$$\frac{3}{4} = \dots \div 4$$

©
$$2\frac{3}{5}$$

$$\frac{1}{2}$$
 year = Months

$$8\frac{1}{9} + 3\frac{5}{12}$$
 is estimated as

(a)
$$8\frac{1}{2} + 3$$

(a)
$$8\frac{1}{2}+3$$
 (b) $8+3\frac{1}{2}$ (c) $0+\frac{1}{2}$

$$0+\frac{1}{2}$$

$$\frac{1}{2}$$
 + 3.5

$$8\frac{1}{6} + 3.5 = \dots$$

(a)
$$11\frac{2}{3}$$

(b)
$$11\frac{1}{6}$$

$$\frac{2}{3}$$

volume : height =

Triangle has 2 same sides and 1 different.

$$9\frac{4}{21}$$

(b)
$$1\frac{16}{21}$$
 (c) 1

$$\frac{19}{21}$$

87 m -
$$7\frac{2}{12}$$
 = $3\frac{1}{4}$, then the value of m is
a) $10\frac{5}{12}$ b) $3\frac{11}{12}$ c) 4

$$10\frac{5}{12}$$

b
$$3\frac{11}{12}$$

$$\bigcirc 4\frac{1}{8}$$

88 a +
$$6\frac{4}{12} = 9\frac{3}{4}$$
 , then the value of a is

(a)
$$3\frac{5}{12}$$

b
$$15\frac{7}{12}$$
 c 2.5

$$16\frac{1}{12}$$

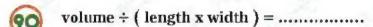
89
$$5\frac{1}{5} - e = 3\frac{1}{5}$$
, then the value of e is

(b)
$$1\frac{3}{5}$$
 (c) $1\frac{4}{5}$

$$\frac{4}{5}$$





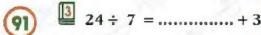




(b) Width

(c) volume

Base area



$$\bigcirc$$
 $\frac{1}{8}$

$$\frac{2}{3} + \frac{7}{12} \quad \text{is estimated as} \dots$$

(a)
$$\frac{1}{2} + \frac{1}{2}$$

$$\frac{1}{2} + 1$$

$$0+\frac{1}{2}$$

$$\frac{8}{9}$$
 + $\frac{1}{100}$ is estimated as

$$\frac{1}{2} + \frac{1}{2}$$

$$\frac{1}{2} + 1$$

$$0 + \frac{1}{2}$$

95
$$2 - \frac{2}{5} - \frac{1}{5} = \dots$$

(a)
$$1\frac{2}{5}$$

$$\bigcirc \frac{2}{5}$$

$$\frac{2}{3}$$

$$7 \frac{m}{10}$$
 is slightly greater than $7\frac{1}{2}$, then m can be

volume \div (length x height) =

the measure of this central angle is°





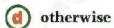
180

$\frac{1}{8} + \frac{6}{5}$ is about 1, the estimation is (99)



(b) underestimate





$$\frac{1}{6} \text{ year} = \dots Months$$





102 the angle whose vertex is the center of the circle is calledangle .





$$\frac{2}{8} + \frac{6}{8} = \dots$$

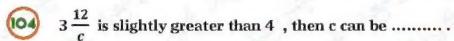
b
$$\frac{2}{3}$$

$$\bigcirc$$
 $\frac{6}{8}$













c) 15

150

otherwise

 $\frac{1}{5} \text{ hour} = \dots Minutes$

 $\frac{5}{9} + \frac{4}{7}$ is about 1, the estimation is

overestimate

(b) underestimate

 $\frac{1}{4} + \frac{3}{16} = \dots$

1 $\frac{1}{8}$ day =hours

13 $\frac{1}{8} \div m = \frac{1}{32}$, then m=.....

32

Ais a circle divided into sectors .

(a) Height

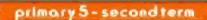
(b) Pie graph

(c) sector

Bar graph

the measure of an acute angle the measure of a right angle

otherwise





The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is

(a) 7

- **(b)** 35
- **(c)** 5

- (a) $12\frac{1}{2}$
- **(b)** $3\frac{1}{2}$
- **©** 30

(d) $1\frac{1}{2}$

- (b) $\frac{1}{4}$
- **©** 8

 $\bigcirc \frac{1}{2}$

- - (a) 2

- (b) $\frac{1}{5}$
- **(c)** 50

- 1 $-\frac{3}{5}$ $-\frac{2}{5}$ =
 - (a) 0

- (b) 2
- \bigcirc $\frac{5}{5}$

d 1

- $\frac{2}{5} = \frac{....}{15}$
 - 0 0 2
- (c) 3

6

- $\frac{1}{...?..} = \frac{12}{24}$
 - (a) 0

- (b) 2
- **(c)** 3

d 1

- $4 \div \frac{1}{8}$

(a) <</p>

- (b) >
- (c) =

d otherwise

- $\frac{1}{5} + \frac{2}{3} = \dots$
 - (a) $\frac{13}{15}$

- $\bigcirc \quad \frac{3}{8}$
- © 0

 \bigcirc $\frac{1}{2}$

- $\frac{126}{8}$ $\frac{5}{8} = 1$
- **©** 0

 $\bigcirc \frac{1}{2}$

- - (a) $\frac{1}{2}^{1}$

- **b** $\frac{5}{10}$
- $\bigcirc \frac{4}{8}$

d all of them

- 1 = 0
 - $\bigcirc \frac{1}{2}$

- $\frac{10}{10}$
- \bigcirc $\frac{2}{3}$

d

- 129 1 = 1

- $\frac{10}{10}$
- \bigcirc $\frac{0}{3}$

(d)



Question 02

complete

the number of vertical layer is



- 3 scalene triangle has 3 sides .
- $4\frac{4}{8} \times \frac{1}{8} = 4\frac{1}{2}$

- 7 $3\frac{2}{5} \times 5 = 5 \times \dots$

- the figure name is



- $\frac{2}{11} * \dots \frac{3}{11}$
- (13) $\frac{2}{3} \times \dots = \frac{6}{12}$
- Volume = $x = \frac{5}{6} = \frac{10}{24}$



- 16 Triangle has 3 acute angles and 0 right angle.
- $\frac{3}{5}$ x 1.5 x 30 =



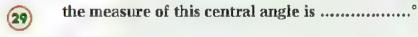
- $3\frac{3}{5}$ x = 1





(21)
$$3\frac{2}{3} \times \frac{1}{5} = \dots \times 3 + \dots \times \frac{2}{3}$$

$$\boxed{27}$$
 $\boxed{3}$ $40 \div \dots = 4 \frac{4}{9}$





$$30 \quad \boxed{3} \quad \frac{4}{11} \times \dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$$

(31)
$$\mathbf{d} \div \frac{1}{5} = \frac{1}{2}$$
, then $\mathbf{d} = \dots$

(32)
$$\frac{1}{7} \div n = \frac{1}{21}$$
, then $n = \dots$

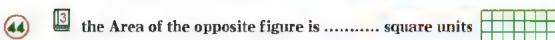
33
$$6 \div f = 24$$
, then $f = \dots$

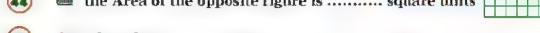
$$\frac{1}{6} + \frac{3}{6} = \dots$$
 In simplest form

$$\begin{array}{c} \textbf{38} & \textbf{color } \frac{1}{4} \textbf{ of the circle .} \end{array}$$

43 The simplest form of form of
$$\frac{2}{24}$$
 is







(4)
$$\frac{2}{6} \times 2.5 = \dots$$

$$\frac{5}{8}$$
 x 0.4 =

$$\frac{2}{3}$$
 year = Months



Color
$$\frac{1}{2}$$
 of the circle.

$$\boxed{30 \div \frac{1}{3}} - \dots$$

$$\frac{1}{5} = 25$$

61) 7
$$\frac{8}{8}$$
 is equivalent to

63 The smallest same denominator of
$$\frac{1}{4}$$
 and $\frac{3}{8}$ is

$$\frac{1}{\dots} = \frac{2}{8}$$

Estimate the sum of
$$\frac{1}{6} + \frac{6}{7}$$
 using benchmarks,









$$\frac{6}{9} - \frac{3}{9} = \dots \qquad \text{In simplest form}$$

$$\frac{68}{9} = 1$$

ABC is an equilateral triangle where
$$AB = 4 \text{ cm}$$
, then $AC = \dots$ And $BC = \dots$

$$3 + \frac{1}{8} + \frac{7}{8} = \dots$$

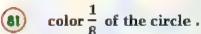
(1)
$$R - \frac{2}{6} = \frac{1}{3}$$
, then the value of R is

$$\frac{1}{4} + \frac{3}{4} = 1 - \dots$$

$$\frac{1}{12}$$
 year = Months

$$2\frac{1}{4} \text{ hours} = \dots \text{ hours} + \dots \text{ minutes}$$

$$\frac{8}{9} \times 0.125 = \dots$$





Question 03

Answer the following

find the volume of this solid .



Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money. What fraction of money does Mohamed save?

Yara's garden consists of $\frac{3}{8}$ poppies, $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden?

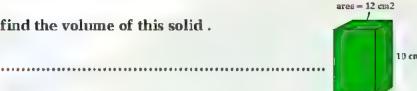
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Besan collected $6\frac{2}{7}$ of honey. She gave his sister Sandy $3\frac{3}{4}$ kg of them. How many kilograms are left ?

Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes. Write their fractions with like denominators.

find the volume of this solid.



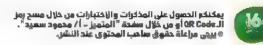
Lena ate $1\frac{3}{4}$ kg of fruits, Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin . How many kilograms did Jana eat ?

Seif studied MATH for 3 $\frac{1}{4}$ hours and science for 30 minutes. How many hours did Seif study in all?

Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom. How many rose bushes are in bloom?

- Maya ate $\frac{1}{4}$ of 24 candies. How many candies are left?
- write three different multiplication expressions that have the same product as 5 x $\frac{\pi}{6}$
- Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter. How much money did Dareen pay?
- Mohamed bought 3 bags of meat. Each bag has a mass of $2\frac{1}{9}$ kg. If he gave $4\frac{2}{9}$ kg to Rozana . How many kilograms left ?



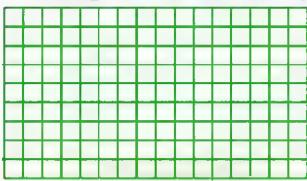






Draw two different rectangles with an area 24 square units.





15

A rectangular room of $1\frac{1}{4}$ m wide and 4 m longe. Find the area.



Mr Mahmoud Elkholy is reading achapter book in MATH. He can read $10\frac{2}{3}$ pages in 1



hour . How many pages will he read in 15 minutes?



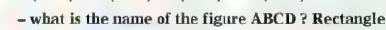
If the price of 16 candies 26 L.E. .find the price of each one .



Plot the points on the coordinate plane:



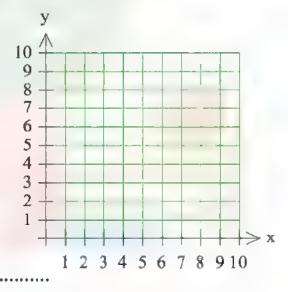
A(2,4) B(7,4) C(7,7) D(2,7)



- what is the length of AB?
- what is the length of BC?
- CD //
- AB is perpendicular to



How many $\frac{1}{6}$ cup in 6 cups of chocolate?



20

Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes . To how many students will he be able to give candies?

- 14	-		
-50	_	₹.	

.....



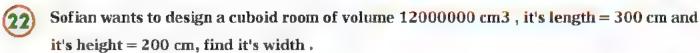
Find the area of the opposite rectangle.

e cm	
	$3\frac{1}{2}$ cm







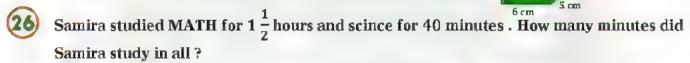




.....



if the volume = 300 cm3, find the height of this solid.



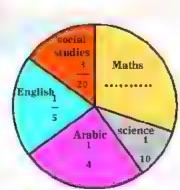
- 27) Answer with the number line.
 - what is the value of A?

 what is the value of B?

 O A B C 10
 - what is the value of C?
 - what is the distance between A and C?

The opposite figure shows the fraction of time that Eyad spends in studying subjects. He studied 20 hours.

- what's the decimal of the time that Eyad spends in studying Maths?
- what's the fraction of the time that Eyad spends in studying Maths?
- what's the measure of the central angle of science ?
- what's the measure of the central angle of Arabic?
- How many hours did he study English?
- How many hours did he study Arabic?
- How many hours did he study science?



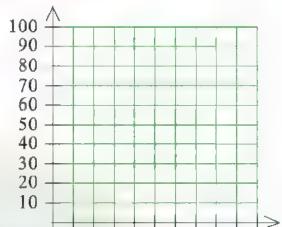






Ahmed's car consumes 1 Liter of petrol to cover 5 km, complete the table and graph the points on the grid.

Distance
5
10
20
30
45
50



- How many liters are needed to cover 40 km?
- 12 liters can be consumed to cover Km

30

Represent these data by the opposite pie chart.

Rate	excellent	good	pass	weak
Fraction	3	1	1	1
	20	2	4	10

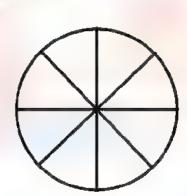
- If the total number of students is 100 students,
- 1- find the number of good students.
- 2- find the number of pass students.
- 3- find the number of week students.
- 4 find the number of excellent students.



(31)

In the opposite circle. This represents 80 students.

- Shade $\frac{1}{2}$ of the circle green.
- Shade $\frac{1}{8}$ of the circle red.
- Shade $\frac{1}{4}$ of the circle blue.
- Shade $\frac{1}{8}$ of the circle yellow.
- what decimal of the group is blue?
- what decimal of the group is green?
- what decimal of the group is green?
- How many students do the green represent?
- How many students do the blue represent ?
- How many students do the black and red represent?



انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق



Model Answers

Math

second term final revision









EL MOTAMYEZ - MATH QUESTIONS BANK

FINAL REVISION

Question 01

Choose the correct answer

1	The smallest like der	nominator of $\frac{5}{6}$ and	$\frac{1}{3}$ is	
	a 18	p ē	© 3	d 2
2	The simplest form of	form of $\frac{6}{12}$ is	******	
		b $\frac{2}{3}$	$\frac{5}{6}$	$\frac{12}{6}$
(3)	Estimate the sum of	$\frac{1}{6} + \frac{7}{8}$ using beno	hmarks,	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	b <u>1</u>	\bigcirc $\frac{1}{2}$	d 0
4	$\frac{2}{6} \times 3 = \dots$			
	$\frac{5}{6}$	b 1	© 36	(d) $\frac{12}{3}$
5	$3\frac{2}{5} \times 5 = \dots$			

- It is impossible to draw a triangle with two Angles .

 Acute

 Obtuse

 right
- a 0° b 40° c 90° d 170°

- $7\frac{3}{4} \text{ hours} = \dots \text{ hours} + \dots \text{ minutes}$
 - (a) 7, 30 (b) 7, $\frac{1}{2}$ (c) 7, 15 (d) $\frac{7}{2}$, 4.







 $\frac{10}{5}$

both b and c



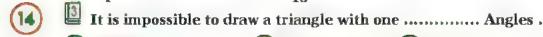


$$\begin{array}{c} 3 \\ 8 \\ 9 \\ \hline \end{array}$$

b
$$\frac{20}{9}$$

b
$$\frac{25}{15}$$

d
$$\frac{2}{15}$$



 $x = 0.25 = \dots$





(15) Volume of



(16 the solid which has 5 vertices and 8 edges is ..

b
$$\frac{9}{40}$$

$$\frac{8}{9} + \frac{2}{6} \text{ is about } 1\frac{1}{2} \text{, the estimation is } \dots$$

(b)
$$\frac{5}{0}$$

right

$$3\frac{2}{6} \times \frac{30}{6} = 3$$

$$\bigcirc \frac{6}{6}$$

b
$$3\frac{2}{6}$$

b
$$2\frac{1}{6}$$

$$\bigcirc \frac{5}{2}$$

$$\frac{1}{2}$$
 hours = hours + minutes

b
$$3, \frac{1}{2}$$

$$\frac{1}{5} \div 7 = \dots$$

(b)
$$\frac{1}{35}$$

$$\bigcirc \frac{5}{7}$$







the opposite triangle is



(b) Equilateral



otherwise

(27) Data can be represented by

Line plot

(b) Pie graph

pictograph

All of them

(28) Triangle has 2 acute angles and 1 right angle .

(b) Obtuse

(c) right

otherwise

the measure of an obtuse angle is 90° (29)

otherwise

30 the number of horizontal layer is

5

10

the cube has Faces .

(3) 12

18 months = Year

All of them

the simplest form of 4 $\frac{2}{10}$ is

(b) $4\frac{1}{e}$

 $\frac{42}{10}$

(d) $2\frac{3}{4}$

 $\frac{25}{8}$ is equivalent to

 $\frac{1}{8}$

 $\frac{1}{25}$

 \bigcirc $3\frac{1}{8}$

 $3 \frac{2}{6} \text{ is equivalent to } \dots$

b $3\frac{1}{6}$

 $2\frac{2}{6}$

 $8\frac{8}{8}$ is equivalent to

 $4\frac{1}{10}$ is equivalent to

 $4\frac{20}{100}$

b $4\frac{1}{5}$

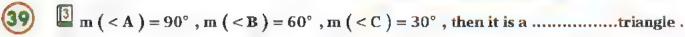
All of them



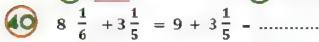








- (b) Obtuse
- (c) acute
- (d) otherwise



- $\frac{1}{5}$ 4 $\frac{1}{5}$

- the volume of this solid is Cube units .

- (42)...... Triangle has 2 acute angles and 1 obtuse angle.

- (b) Obtuse
- (c) right
- d) otherwise

- the measure of a right angle is

- 90°
- d) 180°

- $\frac{1}{2}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}$

- 3

- (a) 4 (b) 2 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3 + \frac{1}{5} \dots$

- (c)

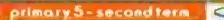
- (d) otherwise
- $m (< G) = 110^{\circ}, m (< D) = 35^{\circ}, m (< F) = 35^{\circ}, then it is antriangle$
- (b) Obtuse
- acute
- (d) otherwise

- $4\frac{2}{3} + 3\frac{9}{10}$ is estimated as
 - (a) $4\frac{1}{2}+4$
- **(b)** $1+\frac{1}{2}$ **(c)** $4+\frac{1}{2}$
- \bigcirc 31 + 4 $\frac{1}{2}$

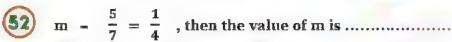
- Length x width x height =
 - Area
- (b) Perimeter
- c volume
- Base area











b
$$\frac{13}{28}$$

$$\bigcirc \frac{1}{4}$$

$$\frac{8}{14}$$

$$\bigcirc \quad \frac{5}{14}$$

$$\frac{11}{16} - a = \frac{1}{4}$$
, then the value of a is

$$\frac{8}{16}$$

b
$$\frac{7}{16}$$

$$\frac{10}{12}$$

$$\frac{12}{20}$$
 is equivalent to

b
$$\frac{3}{5}$$

$$\frac{10}{12}$$

$$\bigcirc \frac{6}{5}$$

$$\frac{1}{12}$$
 years = years + months

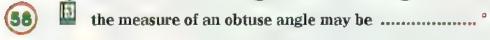
b
$$4, \frac{1}{12}$$
 c $4, 1$



(b) Obtuse

(c) acute

d) otherwise



(b) 40°

(c) 90°

 110°





otherwise

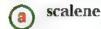
$$\frac{3}{60}$$
 $\frac{2}{6}$ $\times \frac{3}{7}$



(b)
$$3\frac{1}{2}$$

$$\frac{14}{6}$$

(61)
$$AB = BC = 6.32 \text{ cm}$$
, AC is less than them, then it is antriangle.



(b) Equilateral



otherwise

the volume of this solid is Cubes.



5



the sum of the measures of angles around at a point is equal



360

$$5\frac{2}{8} + 3\frac{6}{8} = \dots$$

b
$$8\frac{1}{6}$$

$$\bigcirc$$
 8 $\frac{4}{2}$

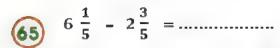
$$\bigcirc$$
 $\frac{4}{6}$







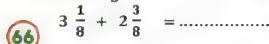




(a)
$$4\frac{4}{5}$$

b
$$4\frac{2}{5}$$

©
$$3\frac{3}{5}$$



(a)
$$5\frac{4}{5}$$

b
$$5\frac{1}{2}$$

$$1\frac{4}{8}$$

$$1\frac{2}{8}$$

$$\frac{3}{6}$$
 $6\frac{2}{3}$

b
$$6\frac{7}{9}$$

$$6\frac{1}{9}$$

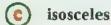
b
$$3\frac{2}{3}$$

$$\frac{1}{2}$$





(b) Equilateral



d) otherwise

Ais bounded by an arc and two radii . (72)



D Pie graph





📵 Bar graph

the colored part represent Of the circle .



b 0.5



3 75 minutes = Hours 74



(b)
$$1\frac{1}{4}$$

Which is equal to $6 \times \frac{3}{9}$

$$\bigcirc$$
 18 x $\frac{1}{9}$

$$5 + \frac{3}{5} + \frac{2}{5} = \dots$$

$$\frac{3}{5}\frac{2}{5}$$





$$\bigcirc{3} \quad \frac{2}{5}$$

b
$$\frac{1}{4}$$

$$\bigcirc$$
 $\frac{1}{3}$

$$\frac{1}{5}$$

$$\frac{1}{2}$$

(b)
$$\frac{1}{4}$$

$$\frac{1}{3}$$

$$\frac{1}{5}$$

$$\frac{3}{4} = \dots \div 4$$

©
$$2\frac{3}{5}$$

$$\frac{1}{2} \text{ year} = \dots Months$$

$$8\frac{1}{2} + 3$$

b
$$8+3\frac{1}{2}$$

$$0+\frac{1}{2}$$

$$\frac{1}{2}$$
 + 3.5

$$83 8\frac{1}{6} + 3.5 = \dots$$

(a)
$$11\frac{2}{3}$$

(b)
$$11\frac{1}{6}$$

$$\bigcirc$$
 4 $\frac{2}{3}$

volume ÷ height =

Triangle has 2 same sides and 1 different. a scalene

(a)
$$9\frac{4}{21}$$
 (b) $1\frac{16}{21}$ (c) 1

b
$$1\frac{16}{21}$$

d
$$\frac{19}{21}$$

$$\frac{10}{12}$$

$$88 \quad a + 6 \frac{4}{12} = 9 \frac{3}{4}$$

 $a + 6 \frac{4}{12} = 9 \frac{3}{4}$, then the value of a is

b
$$15\frac{7}{12}$$

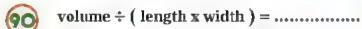
16
$$\frac{1}{12}$$

the value
$$\frac{3}{5}$$

$$\frac{4}{5}$$









(b) Width

c volume

d Base area



© 3

92 $3 = 25 \div \dots = 6 \frac{1}{4}$

6

(b) $\frac{1}{4}$

© 4

 $\frac{2}{3} + \frac{7}{12}$ is estimated as

(a) $\frac{1}{2} + \frac{1}{2}$

 $\frac{1}{2} + 1$

 $0 + \frac{1}{2}$

d 1+1

 $\frac{8}{9} + \frac{1}{100}$ is estimated as

 $\frac{1}{2} + \frac{1}{2}$

 $\frac{1}{2} + 1$

 $0 + \frac{1}{2}$

d 1+0

95 2 - $\frac{2}{5}$ - $\frac{1}{5}$ =

(a) $1\frac{2}{5}$

 $\frac{2}{3}$

d 1

 $\frac{m}{10}$ is slightly greater than $7\frac{1}{2}$, then m can be

(a) 11

(b) 5

(c) 6

d 1

(97) volume ÷ (length x height) =

Height

(b) Width

c volume

d Base area

(98) the measure of this central angle is

360

(b) 270

© 90

d 180

 $\frac{1}{8} + \frac{6}{5}$ is about 1, the estimation is

(a) overestimate

b underestimate

the measure of an obtuse angle the measure of a right angle

(1) <

(b) >

(c) =

(d) otherwise

 $\frac{1}{6} \text{ year} = \dots Months$

3

b 6

c 2

(d) 1

the angle whose vertex is the center of the circle is calledangle .

(a) Centeral

(b) Circular

c right

d Straight

 $\frac{2}{8} + \frac{6}{8} = \dots$

(b)

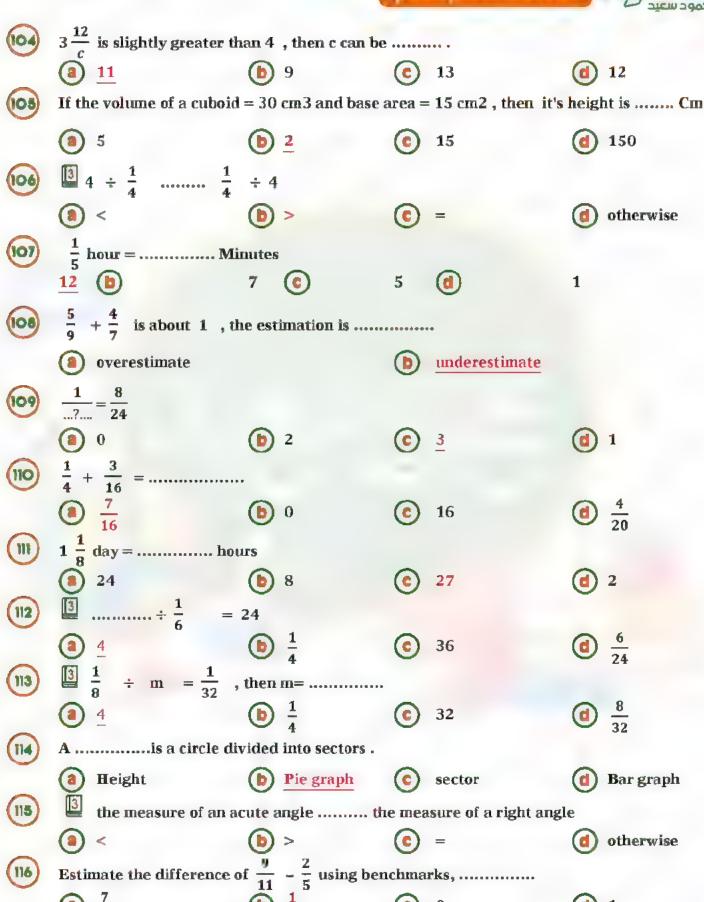
(c) 1

 $\frac{1}{9}$

















The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is

3

- **b** 35
- **©** 5

- $\frac{1}{2}$
- **b** $3\frac{1}{2}$
- **©** 30
- **d** $1\frac{1}{2}$

- $\frac{1}{4} \div \frac{1}{2} = \dots$
 - \bigcirc $\frac{1}{4}$
- **©** 8

- $10 \div \frac{1}{5} = \dots$
 - (a) 2

- $\frac{1}{5}$
- **©** 50
- $\frac{1}{10}$

- $1 \frac{3}{5} \frac{2}{5} = \dots$
 - **a** <u>0</u>

- **(b)** 2
- © 5/5

d 1

- $\frac{2}{5} = \frac{....}{15}$
 - 0

- **(b)** 2
- **c**) 3

d 6

$$\frac{1}{123}$$
 $\frac{1}{123} = \frac{12}{24}$

0

- **b** 2
- **c** 3

d 1

- $\frac{1}{24}$ $\frac{3}{8} \div \frac{1}{4}$
 - ... 4 ÷ {
 -) < 4
- 8 > **(c)**
 -) = (d) otherwise

- $\frac{1}{5} + \frac{2}{3} = \dots$
 - (a) $\frac{13}{15}$

- \bigcirc $\frac{3}{8}$
- © 0

- $\frac{126}{8}$ $\frac{5}{8} = 1$
 - $\frac{4}{8}$
- **©** 0

- $\frac{5}{10} = 1$

- **b** $\frac{5}{10}$
- \bigcirc $\frac{4}{8}$

d all of them

- 1 = 0
 - $\frac{1}{2}$

- **b** $\frac{10}{10}$
- \bigcirc $\frac{2}{3}$

d

- 1 = 1

- $\frac{10}{10}$
- \bigcirc $\frac{0}{3}$

d



Question 02

complete

the number of vertical layer is2.....



- (3) scalene triangle has 3different...... sides .
- $4\frac{4}{9} \times \frac{...8...}{9} = 4\frac{1}{2}$
- $\frac{3}{8} \times 3 \times \frac{2}{6} = \frac{1}{4}$
- $3\frac{2}{5} \times 5 = 5 \times \dots \frac{17}{5} \dots$
- $\frac{3}{5} \times 3 = 6 \times \dots \frac{1}{5} \dots$
- $\frac{3}{2} \times \frac{12}{24} = \dots \frac{3}{4}$ 9
- the figure name iscylinder...... 10



- $\frac{2}{11} \times \dots \frac{3}{2} \dots \frac{3}{11}$ 1
- $\frac{3}{2}$ $\frac{6}{2}$ $\frac{3}{8}$ $\frac{2}{6}$ $\frac{3}{6}$ (12)
- $\frac{3}{3}$ $\times \frac{3}{4} = \frac{6}{12}$ 13
- Volume =3.....x...2.....x....2....



- $\frac{2}{4}$ $x = \frac{5}{6} = \frac{10}{24}$ (15)
- (16)
- $\frac{3}{5}$ x 1.5 x 30 =27...... (17)
- if the volume = 1200 cm3, then the missing dimension is6.....cm (18)



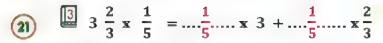
20 cm

- $\frac{4}{11} \times \dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$ 19
- $3\frac{3}{5} \times \dots = 1$





primary 5 - second term



23
$$30$$
 minutes = $\frac{1}{2}$ Hours

$$2 \div 4 = \dots \frac{2}{4} \dots$$

23 ÷ 4 =
$$5\frac{3}{4}$$
......

$$26 \quad \boxed{3} \quad 34 \div 5 = 6 + \dots \frac{4}{5} \dots$$

$$\boxed{27}$$
 $\boxed{3}$ $40 \div \dots 9 \dots = 4 \frac{4}{9}$





$$30 \quad \boxed{3} \quad \frac{4}{11} \times \dots \dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$$

(31)
$$\mathbf{d} \div \frac{1}{5} = \frac{1}{2}$$
, then $\mathbf{d} = \dots \frac{1}{10}$

$$\frac{1}{7} \div n = \frac{1}{21} \text{ , then } n = \dots \dots 3 \dots$$

33
$$6 \div f - 24$$
, then $f = \dots \frac{1}{4}$

$$\frac{1}{6} + \frac{3}{6} = \dots \frac{2}{3} \dots \qquad \text{In simplest form}$$

the sum of all decimals in one circle =
$$\dots$$
 1.....

The simplest form of form of
$$\frac{2}{24}$$
 is $\frac{1}{12}$







$$\frac{2}{6} \times 2.5 = \dots \frac{5}{6} \dots$$

$$\frac{5}{8}$$
 x 0.4 = $\frac{1}{4}$

volume
$$\div$$
 (width x height) =length......

$$\frac{2}{3}$$
 year =8...... Months

the colored part represent
$$\frac{3}{4}$$
..... Of the circle



Color
$$\frac{1}{2}$$
 of the circle.

$$\boxed{30 \div \frac{1}{3} - \dots 90}$$

61) 7
$$\frac{8}{8}$$
 is equivalent to8.....

62 90 seconds =
$$\frac{1}{2}$$
 minutes

63 The smallest same denominator of
$$\frac{1}{4}$$
 and $\frac{3}{8}$ is8......

$$\frac{1}{...4...} = \frac{2}{8}$$

Estimate the sum of
$$\frac{1}{6} + \frac{6}{7}$$
 using benchmarks,1.....

The LCM of denominators of
$$\frac{4}{5}$$
 and $\frac{2}{25}$ is25......



(67)
$$\frac{6}{9} - \frac{3}{9} = \dots \frac{1}{3}$$
 In simplest form

$$\frac{68}{9} \quad \dots \frac{7}{9} \dots + \frac{2}{9} = 1$$

ABC is an equilateral triangle where
$$AB = 4 \text{ cm}$$
, then $AC = ...4..And BC = ...4..$

$$\frac{1}{8} + \frac{1}{8} + \frac{7}{8} = \dots + \frac{4}{8} = \dots$$

(1)
$$R - \frac{2}{6} = \frac{1}{3}$$
, then the value of R is ... $\frac{2}{3}$

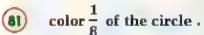
$$\frac{1}{4} + \frac{3}{4} = 1 - \dots \underline{0}$$

$$\frac{1}{12}$$
 year = Months

$$2\frac{1}{4}$$
 hours =2..... hours +15....... minutes

$$\frac{3}{2} \times 2 = \dots 3.\dots$$

$$\boxed{9} \quad \boxed{3} \quad \frac{8}{9} \quad \text{x} \quad 0.125 = \dots \frac{1}{9} \dots$$



Question 03 a

Answer the following

find the volume of this solid .

$$V = L \times W \times H$$
 ,,, $V = 20 \times 3 \times 4 = 240 \text{ cm}^3$



Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money. What fraction of money does Mohamed save?

$$\frac{1}{3} + \frac{2}{7} = \frac{13}{21}$$
 ---- $1 - \frac{13}{21} = \frac{8}{21}$ of his money

Yara's garden consists of $\frac{3}{8}$ poppies, $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden?

$$\frac{3}{8} + \frac{1}{4} = \frac{5}{8} \quad --- \quad 1 - \frac{5}{8} = \frac{3}{8}$$



Besan collected $6\frac{2}{7}$ of honey. She gave his sister Sandy $3\frac{3}{4}$ kg of them. How many kilograms are left?

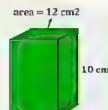
$$6 \frac{2}{7} - 3\frac{3}{4} = 2\frac{15}{28}$$

Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes. Write their fractions with like denominators.

$$\frac{10}{12}$$
 , $\frac{9}{12}$



$$V = B.A \times H$$
 ,,, $V = 12 \times 10 = 120 \text{ cm}^3$



Lena ate $1\frac{3}{4}$ kg of fruits, Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin. How many kilograms did Jana eat?

yasin =
$$1\frac{3}{4} + \frac{1}{5} = 1\frac{19}{20}$$
 kg
Jana = $1\frac{19}{20} - \frac{3}{10} = 1\frac{13}{20}$ kg

Seif studied MATH for $3\frac{1}{4}$ hours and science for 30 minutes. How many hours did Seif study in all?

$$3\frac{1}{4} + \frac{1}{2} = 3\frac{3}{4}$$
 hours

Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom. How many rose bushes are in bloom?

$$\frac{1}{3} \times 9 = 3 \text{ rose bushes}$$

Maya ate $\frac{1}{4}$ of 24 candies. How many candies are left?

$$\frac{3}{4} \times 24 = 18 \text{ candies}$$

- write three different multiplication expressions that have the same product as $5 \times \frac{4}{8}$
- $4 \times \frac{5}{8}$, $\frac{4}{8} \times 5$, $20 \times \frac{1}{8}$
- Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter. How much money did Dareen pay?
 - $\frac{4}{5}$ x $3\frac{1}{8}$ = 2.5 LE





Mohamed bought 3 bags of meat. Each bag has a mass of $2\frac{1}{9}$ kg. If he gave $4\frac{2}{3}$ kg to Rozana . How many kilograms left?

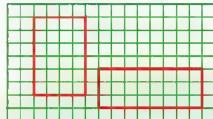
$$3 \times 2\frac{1}{9} = 6\frac{1}{3} \text{ kg}$$
 $6\frac{1}{3} - 4\frac{2}{3} = 1\frac{2}{3} \text{ kg}$



$$6\frac{1}{3} - 4\frac{2}{3} = 1\frac{2}{3}$$
kg

Draw two different rectangles with an area 24 square units.





A rectangular room of $1\frac{1}{4}$ m wide and 4 m longe. Find the area.

$$4 \times 1\frac{1}{4} = 5 \text{ square meter}$$

Mr Mahmoud Elkholy is reading achapter book in MATH. He can read $10\frac{2}{3}$ pages in 1 hour. How many pages will he read in 15 minutes?



If the price of 16 candies 26 L.E. find the price of each one.



Plot the points on the coordinate plane:



- A(2,4) B(7,4) C(7,7) D(2,7)
- what is the name of the figure ABCD? Rectangle
- what is the length of AB?
- what is the length of BC?
- CD //BA.....
- AB is perpendicular toBC.....



How many $\frac{1}{6}$ cup in 6 cups of chocolate?



 $6 \div \frac{1}{4} = 36 \text{ cups}$



Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes. To how many students will he be able to give candies?



 $9 \div \frac{1}{5} = 45$ students



Find the area of the opposite rectangle.



8 cm

10 4

6 5

3 2



$$8 \times 3\frac{1}{2} = 28 \quad \text{square cm}$$



1 2 3 4 5 6 7 8 9 10



Sofian wants to design a cuboid room of volume 12000000 cm3, it's length = 300 cm and it's height = 200 cm, find it's width.

$$W = V \div (L \times H)$$
 ,,, $W = 120000000 \div (300 \times 200) = 200 \text{ cm}$

A cuboid with a square base it's length 20 cm . 24000 cm3 oil was poured into it . What is the height of the oil?

$$H = V \div (L \times W)$$
 ,,, $H = 24000 \div (20 \times 20) = 60 \text{ cm}$

MR Mahmoud Elkholy walked $1\frac{1}{2}$ km and his student Ebrahim walked $2\frac{3}{5}$ km more. What distance that Ebrahim walked?

$$1\frac{1}{2} + 2\frac{3}{5} = 4\frac{1}{10}$$
 km

if the volume = 300 cm³, find the height of this solid.

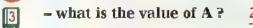
$$H = V \div (L \times W)$$
 ,,, $H = 300 \div (6 \times 5) = 10 \text{ cm}$

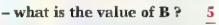


Samira studied MATH for $1\frac{1}{2}$ hours and scince for 40 minutes. How many minutes did Samira study in all?

$$1\frac{1}{2} \times 60 = 90 \text{ min}$$
 \\ 90 + 40 = 130 \text{ min}

Answer with the number line.







- what is the value of C? 8

- what is the distance between A and C? 6

The opposite figure shows the fraction of time that Eyad spends in studying subjects. He studied 20 hours.

- what's the decimal of the time that Eyad spends in studying

Maths ? 0.3

- what's the fraction of the time that Eyad spends in studying

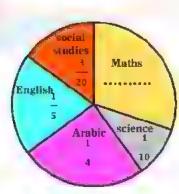
Maths? $\frac{3}{10}$

- what's the measure of the central angle of science ? 36°
- what's the measure of the central angle of Arabic? 90 °

- How many hours did he study English? 4 HOURS

- How many hours did he study Arabic? 5 HOURS

- How many hours did he study science? 2 HOURS







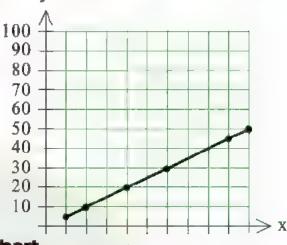
Ahmed's car consumes 1 Liter of petrol to cover 5 km, complete the table and graph the

points on the grid.

Petrol	Distance
1	5
2	10
4	20
6	30
9	45
10	50



- 12 liters can be consumed to cover60..... Km





Represent these data by the opposite pie chart . 1 2

Rate	excellent	good	pass	weak
Fraction	3	1	1	1
THETOI	20	$\overline{2}$	4	10

- If the total number of students is 100 students,
- 1- find the number of good students. 50 students
- 2- find the number of pass students . 25 students
- 3- find the number of week students . 10 students
- 4- find the number of excellent students . 15 students



(31)

In the opposite circle. This represents 80 students.

- Shade $\frac{1}{2}$ of the circle green.
- Shade $\frac{\overline{1}}{8}$ of the circle red.
- Shade $\frac{1}{4}$ of the circle blue.
- Shade $\frac{1}{8}$ of the circle yellow.
- what decimal of the group is blue? 0.25
- what decimal of the group is green ? 0.5
- what decimal of the group is red? 0.125
- How many students do the green represent? $\frac{1}{2} \times 80 = 40$ students
- How many students do the blue represent? $\frac{1}{4} \times 80 = 20$ students
- How many students do the yellow and red represent? $\frac{1}{4} \times 80 = 20$ students

تم بحمد الله ،

يسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم





Equivalent fractions and The simplest form (Simplify)

Choose

- The mixed number $1\frac{2}{3} =$ _____as an improper fraction

- The mixed number $7\frac{4}{5} =$ _____as an improper fraction

- **Equivalent fractions** using multiply or bivide

- $2\frac{1}{5} =$ ____as an improper fraction **A.** $\frac{2}{5}$ **B.** $\frac{5}{2}$

- $\frac{10}{15} = \frac{20}{30} \circ \mathbb{R} \frac{10}{15} = \frac{2}{3}$

The improper fraction $\frac{7}{2}$ =

The improper fraction $\frac{19}{5}$

- C. $2\frac{5}{7}$
- **D.** $2\frac{2}{5}$
 - improper ⇒ riked

- $\frac{27}{7} =$ as a mixed number

- $c. 2\frac{3}{7}$

C. $3\frac{4}{5}$

- $\frac{25}{6} \Rightarrow 4\frac{1}{6}$

- $\frac{49}{8} = \frac{}{}$ as a mixed number A. $8\frac{1}{6}$ B. $1\frac{5}{8}$
- C. $1\frac{6}{8}$
- wiked > improper

- as a mixed number

- C. $11\frac{3}{6}$

- $3\frac{2}{5}$ is equivalent to B. $\frac{17}{5}$

- Which of the following is equivalent to $\frac{5}{4}$?

- C.15
- D. $\frac{20}{24}$

- 12 s equivalent to ____
- **c.** 3 ⁵ ₅
- D. 3 4 5

- 13 $\frac{17}{3}$ is equivalent to **B.** $7\frac{1}{2}$

- C. $3\frac{2}{5}$
- **D.** $5\frac{2}{3}$

- The fraction $\frac{3}{4}$ is equivalent to

	Which of the f	- fallowing is not equiv	valent to $\frac{6}{8}$?		
15	A. 3/4	8. $\frac{60}{80}$	c. 12	p. $\frac{30}{40}$	
16	A. 12/14	ls equivalent to B. $\frac{6}{12}$	C. 67	D. 20/45	
1.7	The fraction 1	B. $\frac{2}{5}$	C. 1 ½	D. <u>20</u>	
18	The equivalent	Int fraction of $\frac{3}{6}$ is B. $\frac{2}{6}$	C. 15	D. $\frac{2}{5}$	
19	If $\frac{5}{8} = \frac{x}{40}$, the A. 37	en <i>X</i> =	C. 40	0.5*8	THILD
0	$\frac{25}{4}$ is equivalent.	ent to	C. 6+ 1/4	D. $4 + \frac{1}{6}$	
	The simplest			D. 4 7 6	Eng off and
21		B. $\frac{3}{2}$	c. 2/3	D. 3/4	Fraction in simplest form
22		form of the fraction B. 5	20 is 45 210 D.	1 5	$\frac{12}{32} = \frac{3}{8}$
!3		form of the fraction	21	1	
24	•	B. $\frac{3}{7}$ form of $3\frac{4}{6}$ is —	<u> </u>	$\frac{1}{3}$	mixed number in simplest form
!5	Which of the f	ollowing is correct?	c. $\frac{7}{14} = \frac{1}{2}$		$5\frac{4}{8} = 5\frac{1}{2}$
6	The simplest $A. \frac{2}{8}$	form of $\frac{12}{18}$ is 8. $\frac{2}{3}$	c. 18	D. 1	
27	5 15 A. >	1 3 B. <	C:		Tak

Complete

$$8\frac{1}{5} = \underline{\hspace{1cm}} \text{ as an improper fraction}$$

$$3\frac{2}{11} - \underline{\hspace{1cm}} \text{ as an improper fraction}$$

30
$$\frac{9}{5} =$$
_____ as a mixed number

31 If
$$\frac{24}{36} = \frac{2}{k}$$
, then k=

32 If
$$\frac{5}{7} = \frac{X}{28}$$
, then $X = \frac{1}{28}$

The simplest form of
$$\frac{12}{18}$$
 is

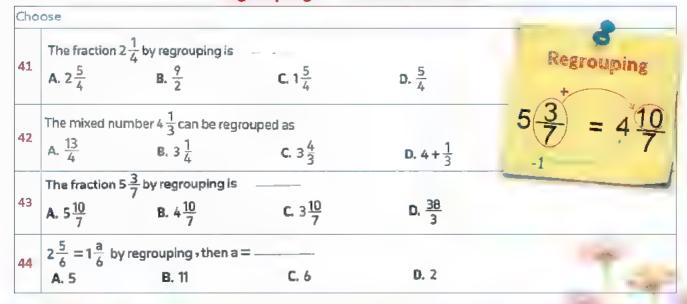
34 If
$$\frac{3}{4} = \frac{a}{16}$$
, then $a = -$

Regrouping The whole number

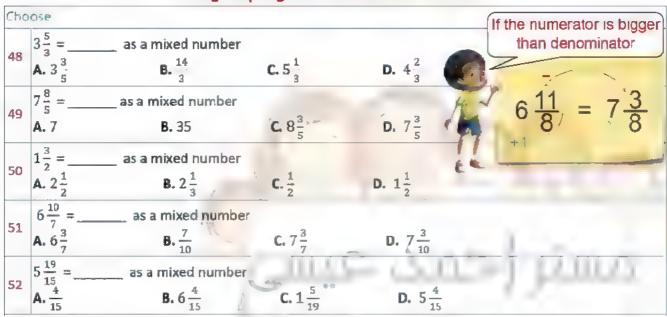
		176	sgrouping in	ie whole hu	Inder
Cho	ose		-	- C	
35	$1 = \frac{1}{A \cdot \frac{1}{5}}$	B. $\frac{3}{3}$	C. $1\frac{3}{3}$	D. 2	
36	$4 = \frac{6}{6}$	B. $\frac{3}{4}$	_ C.3 ~~~	- D. $4\frac{1}{3}$	$1 = \frac{5}{5} \text{ or } \frac{8}{8} \text{ or } \frac{Any number}{Same number}$
37	$7 = $ A. $7\frac{3}{5}$	B . $\frac{14}{3}$	C . 6 10	D. $7\frac{5}{5}$	$2 = 1\frac{7}{7} \text{ or } 1\frac{8}{8} \text{ or } 1\frac{\text{Any number}}{\text{Same number}}$
38	11 = A. $11\frac{7}{7}$	B. 1/11	C. 11 ½	D. $10\frac{2}{2}$	$10 = 9\frac{2}{2} \text{ OR } 9\frac{4}{4} \text{ OR } 9\frac{\text{Any number}}{\text{Same number}}$
39	$5 = $ A. $5\frac{2}{2}$	B. $4\frac{5}{5}$	C. $5\frac{1}{3}$	D. $4\frac{3}{5}$	
	6 =				

Regrouping The mixed number

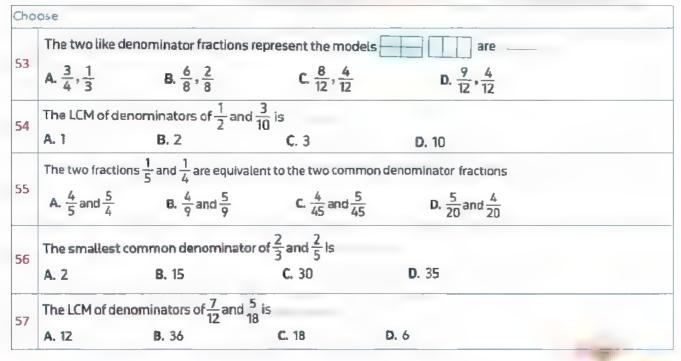
B. $6\frac{5}{5}$ **C.** $6\frac{1}{2}$ **D.** $5\frac{1}{6}$



Regrouping to have mixed number



LCM for denominators



The like denominator of $\frac{3}{7}$ and $\frac{1}{14}$ is

Two fractions $3\frac{2}{3}$ and $5\frac{1}{6}$ with like denominators are 59

- A. $3\frac{2}{3}$ and $5\frac{1}{6}$ B. $\frac{11}{3}$ and $\frac{31}{3}$ C. $3\frac{4}{6}$ and $5\frac{1}{6}$ D. $3\frac{2}{3}$ and $5\frac{2}{6}$

The LCM of the denominators of $\frac{3}{7}$ and $\frac{1}{3}$ is 60

Two fractions $2\frac{5}{8}$ and $1\frac{3}{4}$ with like denominators are

- A. $2\frac{5}{16}$ and $1\frac{3}{16}$ B. $1\frac{5}{8}$ and $2\frac{6}{8}$ C. $2\frac{5}{8}$ and $1\frac{3}{8}$ D. $2\frac{5}{8}$ and $1\frac{6}{8}$

Adding or subtracting fractions with the same denominators

Choose

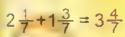
- B. $\frac{3}{16}$
- C. $\frac{8}{8}$
- **D.** $\frac{31}{44}$

Same denominators

Keep the denominator and add or subtract the

- **B.** 1
- D. $1\frac{7}{7}$

- C. 3
- D. 5





- 67
- B. 6 1/7



- A. $8\frac{1}{2}$
- B. 9
- C. 8
- D. $8\frac{1}{4}$

 $2\frac{3}{5} + 1\frac{4}{5} = -$

- A. $3\frac{7}{10}$

- D. 2 7

 $9\frac{4}{7} - 9\frac{1}{7} =$

- A. 0
- B. $9\frac{3}{7}$

D. $1\frac{2}{7}$

$$\frac{9}{12} - \frac{5}{12} = \dots$$

B.
$$\frac{1}{2}$$

c.
$$\frac{14}{12}$$

D.
$$\frac{1}{4}$$

A.
$$8\frac{7}{8}$$

B.
$$3\frac{3}{8}$$

C.
$$2\frac{1}{4}$$

D.
$$2\frac{3}{8}$$

If
$$\frac{5}{3} - \frac{2}{3} = a$$
, then $a = \frac{3}{3}$

A.
$$\frac{7}{3}$$

B.
$$\frac{3}{3}$$

C.
$$\frac{1}{3}$$

$$5\frac{2}{7} + k = 6\frac{5}{7}$$
, then k =

c.
$$4\frac{3}{7}$$

D.
$$5\frac{1}{7}$$

74
$$5\frac{2}{7} + k = 6\frac{5}{7}$$
, then $k =$
A. $11\frac{7}{7}$ B. $1\frac{3}{7}$

165 - a = $4\frac{1}{3}$, then a =
A. $\frac{1}{3}$ B. $\frac{2}{3}$

75 A.
$$\frac{1}{3}$$

$$B. \frac{2}{3}$$

D.
$$4\frac{2}{3}$$

If X +
$$3\frac{1}{8} = 5\frac{3}{8}$$
 • then X =

77
$$4\frac{3}{5} + k = 6\frac{2}{5}$$
, then $k = 4$



= **D**. 1
$$\frac{3}{5}$$

$$2\frac{5}{6} + 2\frac{3}{6} = 4$$

$$79 \ 1\frac{3}{5} + 3\frac{1}{5} =$$

$$80 \quad 8\frac{3}{7} - 8\frac{1}{7} = --$$

$$81 \quad 1\frac{2}{3} + 3\frac{2}{3} = ---$$

$$82 \quad 5\frac{1}{4} - 2\frac{3}{4} = -$$

$$2\frac{1}{4} + 2\frac{3}{4} = ---$$

$$3\frac{2}{5} - 1\frac{4}{5} = -$$

$$4\frac{5}{6} - 2\frac{1}{6} =$$



LCM of denominators and add or subtract

Choose



A. 8

B. $\frac{7}{12}$

c. $\frac{7}{6}$ p. $\frac{5}{6}$

87

88

A. $\frac{2}{3}$

C. 1

D. 5/4

A. $\frac{1}{3} + \frac{1}{3}$ B. $\frac{1}{2} + \frac{1}{2}$ C. $\frac{1}{2} + \frac{1}{3}$

D.3 + 2



90 $\frac{\frac{1}{11} + \frac{3}{4}}{A \cdot \frac{4}{15}} = \frac{1}{A \cdot \frac{4}{44}}$ $C \cdot \frac{11}{15}$ $D \cdot \frac{4}{44}$

 $3\frac{3}{8} - 2\frac{1}{4} =$

91 A. $1\frac{1}{8}$ B. $1\frac{1}{4}$ C. $2\frac{1}{4}$ D. $\frac{1}{8}$

 $1\frac{4}{5} - 1\frac{1}{20} = -$

A. $\frac{7}{20}$ B. $\frac{4}{3}$ C. $\frac{3}{4}$ D. $1\frac{1}{5}$

Different denominators

Find LCM of denominators and

$$\frac{5}{6} + \frac{1}{3} \Rightarrow \frac{5}{6} + \frac{2}{6} = \frac{7}{6} \text{ or } 1\frac{1}{6}$$

 $4\frac{5}{7} - 1\frac{1}{4} \Rightarrow 4\frac{20}{28} - 1\frac{7}{28} = 3\frac{13}{28}$

 $5\frac{1}{2} + 3\frac{1}{5} = -$ 93 A. $8\frac{2}{7}$ B. $8\frac{7}{10}$ C. $8\frac{1}{2}$ D. $8\frac{2}{5}$

 $2\frac{1}{7} + 5\frac{1}{2} =$

A. $7\frac{2}{9}$ **B.** $3\frac{9}{14}$

c. 7 9

95 **A.** $\frac{3}{4} + \frac{1}{2} =$

B. 3

C. $\frac{1}{4}$

D. $1\frac{1}{4}$

 $3\frac{1}{2}+2\frac{1}{3}=$ 96

A. $5\frac{5}{6}$

B. $5\frac{2}{5}$

C. $\frac{6}{2} + \frac{6}{3}$ D. $\frac{7}{2} + 3\frac{1}{2}$

97 $3\frac{1}{2} - 1\frac{2}{3} =$

B. 6 1/5

C. $5\frac{1}{6}$

D. $1\frac{6}{5}$

98 If $X + 5\frac{1}{4} = 7\frac{3}{4}$, then $X = \frac{1}{4}$

A. $2\frac{1}{4}$ B. $2\frac{1}{2}$

99 If $\frac{4}{7} + \frac{1}{3} = \frac{X}{21} + \frac{7}{21}$, then $X = \frac{2}{3}$

C. 7

D. 12

 $x + 4\frac{1}{4} = 5\frac{1}{2}$, then x =

A. $\frac{1}{2}$ B. $\frac{1}{4}$ C. $1\frac{1}{2}$

D. 1 4

101 If $\frac{1}{2} + a = \frac{7}{8}$, then $a = \frac{1}{8}$ B. $\frac{3}{8}$ - C. $\frac{8}{10}$ D. $1\frac{1}{8}$

A. 6

2 1/3 + 1 2/5 can be rewrite as

A. $\frac{6}{3} + \frac{5}{5}$ (B. $\frac{7}{3} + \frac{5}{7}$ C. $[2+1] + \{\frac{1}{3} + \frac{2}{5}\}$ D. $3\frac{1}{2} + 5\frac{1}{2}$

$$103 \ 2\frac{2}{5} + 1\frac{1}{2} = -$$

$$104 \ 1\frac{4}{7} - \frac{10}{21} = -$$

$$105 \ 3\frac{2}{3} + 2\frac{4}{5} =$$

$$106 \ 2\frac{5}{6} - 1\frac{2}{3} =$$

$$107 \quad 2\frac{3}{8} + 5\frac{3}{4} = -$$

$$108 \quad 2\frac{3}{5} - 1\frac{1}{3} = ---$$

$$109 \ 1\frac{3}{4} - \frac{1}{2} = -$$

$$9\frac{2}{3} - 6\frac{1}{2} =$$

$$111 \quad 2\frac{5}{12} + 7\frac{1}{6} =$$

$$112 \quad 3\frac{1}{2} - 1\frac{2}{5} =$$

$$113 \left| 4\frac{5}{8} - 3\frac{1}{6} \right| = ----$$

$$114 \ 2\frac{3}{4} + 1\frac{4}{10} =$$

$$115 \ 7\frac{5}{6} - 4\frac{1}{4} = -$$



 $116 \ 2\frac{7}{8} - 1\frac{1}{2} =$

Regrouping in operations

B.
$$2\frac{2}{5}$$

C.
$$\frac{16}{5}$$

D.
$$2\frac{1}{5}$$

B.
$$\frac{2}{4}$$

C.
$$\frac{3}{4}$$

$$1 - \frac{5}{11} =$$

$$A_{\bullet} = \frac{11}{5}$$

B.
$$1\frac{5}{11}$$

C.
$$1\frac{7}{11}$$

$$D. \frac{7}{11}$$

 $3-1\frac{1}{5} \Rightarrow 2\frac{5}{5}-1\frac{1}{5}=1\frac{4}{5}$

$$3-2\frac{1}{2}=$$

B.
$$1\frac{1}{7}$$

$$3-2\frac{1}{2}=$$
120
A. $\frac{1}{2}$
B. $1\frac{1}{2}$
C. 1
D. $1\frac{1}{3}$

$$4\frac{1}{4}-1\frac{3}{4} \Rightarrow 3\frac{5}{4}-1\frac{3}{4}=2\frac{2}{4}=2\frac{1}{2}$$

$$1 - \frac{1}{2} - \frac{1}{3} = \frac{1}{3}$$

$$A \cdot \frac{1}{2} \qquad B \cdot \frac{1}{3} \qquad C \cdot \frac{1}{5} \qquad D \cdot \frac{1}{6}$$

B.
$$\frac{1}{3}$$

122
$$A - \frac{3}{5} =$$

A. $\frac{1}{5}$

B. $4\frac{3}{5}$

C. $3\frac{2}{5}$

D. $\frac{7}{20}$

123 $A \cdot 4\frac{5}{6}$

B. $4\frac{1}{2}$

C. $4\frac{1}{6}$

D. $4\frac{3}{4}$

B.
$$4\frac{3}{5}$$

C.
$$3\frac{2}{5}$$

D.
$$\frac{7}{20}$$

$$5 - \frac{1}{2} - \frac{1}{3} =$$

$$\frac{5-\overline{2}-7}{2}$$

124
$$2\frac{1}{4} - 1\frac{1}{2} -$$
A. $1\frac{1}{4}$ B. $\frac{3}{4}$

C.
$$3\frac{3}{4}$$

D.
$$1\frac{1}{2}$$

$$7\frac{1}{11} - 5\frac{5}{11} =$$
B. $\frac{4}{11}$
C. $1\frac{7}{11}$
D. $2\frac{4}{11}$

C.
$$1\frac{7}{4}$$

D.
$$2\frac{4}{12}$$

C.
$$5\frac{1}{9}$$
 D. $2\frac{2}{9}$

D.
$$2\frac{2}{5}$$

127
$$\frac{\frac{2}{5} + \frac{3}{8} + 1 =}{A.1 \frac{31}{40}} = B.1 \frac{5}{13}$$

B.
$$1\frac{5}{13}$$

$$128 \ 6\frac{1}{5} - 4\frac{3}{4} =$$

$$129 9\frac{1}{4} - 8\frac{3}{5} =$$

$$130 \ 6\frac{1}{3} - 3\frac{4}{5} =$$

$$131 \ 3\frac{1}{2} - 2\frac{2}{3} =$$

$$132 7\frac{1}{2} - 2\frac{7}{8} = --$$

$$133 \ 4\frac{1}{4} - 2\frac{5}{6} = \dots$$

$$134 9\frac{1}{6} - 3\frac{1}{3} = ---$$

$$135 \ 5\frac{1}{3} - 2\frac{4}{5} = -$$

$$136 9\frac{1}{4} - 8\frac{3}{5} =$$

Estimating using Benchmark

Cho	ose				
137	If $3\frac{x}{29}$ is about	out 4, then X may be			
	A. 13		C. 7	D. 28	
138	If $3\frac{2}{a}$ is estir	mated as 3, then a can	equal		
	A. 2	B. 1	C. 4	D . 15	
139	If $4\frac{k}{23}$ is about	out $4\frac{1}{2}$, then k may be	=		
	A. 2	В, 3	C. 4	D. 11	
140	If 4 m is abo	out 4, then m may be			
	A. 2	B . 8	C. 10	D. 17	
141	If 4 h is slig	thtly greater than $4\frac{1}{2}$,	then h may be		
	A. 20	B. 4	C. 28	D. 54	
142	If $5\frac{20}{y}$ is a lit	tle less than 6 , then y	may be		
	A. 21	B. 5	C. 2	D. 39	
143	If $9\frac{X}{5}$ is little	greater than $9\frac{1}{2}$, the	n X is estimated as		
	A. 3	B. 5	C. 2	D. 1	
144	If $2\frac{3}{j}$ is a litt	tle greater than 2, ther	n J may be		
	A. 2	B. 4	C. 6	D. 17	
145	If 4 X/22 is slig	htly greater than $4\frac{1}{2}$,	then X can be	-	
	A. 10	B. 21	C. 5	D. 12	
146	If 5 n is abo	ut 5, then n may be			100
	A O	D 17	C 2	D 12	-

If $7\frac{a}{8}$ is a little greater than $7\frac{1}{2}$, then a may be **D**. 8 If $3\frac{5}{m}$ is about 4, then m may be D. 12 $5\frac{X}{24}$ is slightly greater than $5\frac{1}{2}$, then X may be **D.** 13 B. 9 if $5\frac{X}{12}$ is slightly greater than $5\frac{1}{2}$, then X may be equal to D. 10 If $8\frac{3}{C}$ is slightly less than $8\frac{1}{2}$, then C may be D. 15 If 4 b is almost 4, then b may be C. 5 D. 6 If $2\frac{8}{d}$ is nearly $2\frac{1}{2}$, then d may be C. 7 D. 17 $\frac{1}{6} + \frac{6}{7}$ is estimated as $\frac{1}{4} + \frac{8}{9}$ is estimated as C. 1 Estimate the sum of $\frac{3}{5} + \frac{7}{8}$ using benchmarks the sum is $5\frac{3}{7} + 2\frac{1}{11}$ can estimated as 157 D. $8\frac{1}{2}$ $5\frac{1}{6} + 2\frac{4}{5}$ is estimate as B. 6 + 3C.5+2D. 6+4 $8\frac{3}{5} + 1\frac{1}{12}$ can estimated as -B. $9\frac{1}{2}$ D. $8\frac{1}{2}$ C. 10

 $1\frac{5}{11} + 2\frac{1}{8} \text{ estimate as}$

A. 1+2 B. 1+2 $\frac{1}{2}$ C. 1 $\frac{1}{2}$ +2 D. 2+2

Which of the following is underestimate?

161 A. $\frac{4}{7} + \frac{5}{8}$ is about 1

B. $\frac{3}{7} + \frac{4}{10}$ is about 1 **D.** $\frac{6}{7} + \frac{5}{6}$ is about 2

C. $\frac{4}{5} + \frac{7}{8}$ is about 2

Which of the following is underestimate?

162 A. $6\frac{7}{8} + \frac{5}{6} = 8$ B. $\frac{1}{3} + 1\frac{1}{10} = 1$ C. $\frac{3}{10} + \frac{7}{9} = 1\frac{1}{2}$ D. $5\frac{8}{9} + \frac{8}{7} = 6$

163 By using the benchmarks, $\frac{5}{4}$ is estimate as

164 $2\frac{b}{9}$ is almost 3 Estimate for b =

 $165 \frac{7}{12} + \frac{9}{10} \text{ is estimated as}$

 $8\frac{2}{3} + 1\frac{5}{6}$ is estimated as _______+

 $\frac{4}{5} \div \frac{7}{6}$ is estimated as

Multiplying fractions

Choose

Choose

168
$$\frac{2}{15} \times 1\frac{1}{5} =$$

A. $\frac{2}{25}$

B. $1\frac{3}{15}$

C. $\frac{4}{25}$

D. $1\frac{2}{25}$

169 $2\frac{1}{5} \times 1\frac{2}{3} =$

A. $\frac{2}{3}$

B. $3\frac{2}{3}$

C. $\frac{2}{15}$

D. $2\frac{2}{15}$

170 $2\frac{2}{15}$

170 A. $\frac{1}{14}$

B. $\frac{1}{7}$

C. $\frac{3}{14}$

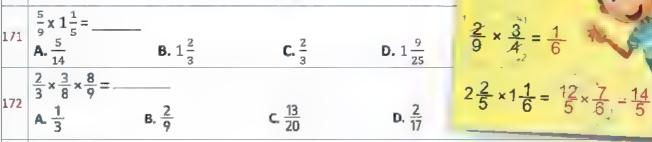
D. $\frac{2}{7}$

3 $\frac{3}{7} \times \frac{2}{5} = \frac{6}{35}$

171 $\frac{5}{9} \times 1\frac{1}{5} =$

172 $\frac{5}{9} \times 1\frac{1}{5} =$

172 $\frac{\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} = \frac{2}{9}}{A \cdot \frac{1}{3}}$ B. $\frac{2}{9}$



 $7\frac{1}{2} \times \frac{1}{15} = -$

B. $\frac{1}{2}$ C. $\frac{16}{17}$

D. $7\frac{1}{30}$

174 $\frac{4}{11} \times 0.5 =$ A. $\frac{2}{11}$ B. $\frac{20}{11}$

176 If $a \times \frac{3}{17} = \frac{2}{17}$, then $a = \frac{1}{17}$ A. $\frac{2}{3}$ B. $\frac{3}{2}$ C. $\frac{1}{17}$ D. $\frac{5}{17}$

 $\frac{1}{5} \times 0.5 =$

 $0.25 = \frac{25}{100} = \frac{1}{4}$

177 A. $\frac{2}{7}$ B. $\frac{1}{7}$ C. $\frac{1}{10}$ D. $\frac{1}{25}$ 0.25 × $\frac{8}{9}$ =

A. $\frac{1}{4}$ B. $\frac{2}{3}$ C. $\frac{4}{9}$ D

 $\frac{1}{7} \times m = \frac{1}{21}$, then $m = \frac{1}{21}$ **A.** $\frac{1}{7}$ **B.** $\frac{1}{21}$

D. $\frac{1}{147}$

 $\frac{4}{3} \times \frac{3}{5}$ is $\frac{1}{3}$

A. less than B. greater than C. equal to

181 $\frac{3}{7} \times \frac{5}{5}$ is $\frac{3}{7}$ A. greater than B. less than C. equal to

182 $\frac{4}{7} \times \frac{14}{8}$ is $\frac{4}{7}$ A. less than B. gi

B. greater than

C. equal to

 $\frac{3}{5} \times \frac{5}{3} | s - \frac{3}{5} |$

A. less than B. greater than

C. equal to

184 $\frac{5}{3} \times \frac{4}{7}$ is $\frac{5}{3}$ A. less than B. greater than

C. equal to

185 $\frac{3}{4} \times \frac{12}{150}$ is $\frac{3}{4}$ A. less than B. greater than

C. equal to

 $3\frac{5}{6} \times \frac{7}{4}$ is $3\frac{5}{6}$

A. less than

B. greater than

C. equal to

Complete

 $187 \left| \frac{1}{2} \times \frac{1}{5} \right| =$

ELIHEY'S

188	$\frac{3}{4}$ ×	$\frac{1}{2} =$
	*	_

$$189 \frac{3}{4} \times \frac{3}{8} =$$

$$190 \quad \frac{3}{5} \times \frac{1}{4} =$$

191
$$\frac{1}{3} \times \frac{3}{8} =$$

$$192 \quad \frac{5}{8} \times \frac{3}{3} =$$

$$193 \left| \frac{5}{12} \times \frac{3}{5} \right| =$$

$$194 \frac{3}{9} \times \frac{3}{4} =$$

$$195 \left| \frac{1}{2} \times \frac{2}{8} \right| = -$$

$$\frac{5}{8} \times \frac{2}{15} =$$

197
$$\frac{5}{10} \times \frac{8}{10} =$$

198
$$\frac{1}{4} \times \frac{8}{11} =$$

199
$$\frac{2}{3} \times \frac{6}{7} \times \frac{7}{8} =$$

$$200 \quad \frac{4}{10} \times \frac{25}{3} \times \frac{3}{15} =$$

III.

$$201 \ 2\frac{2}{5} \times 1\frac{1}{2} =$$

$$202 \quad 2\frac{1}{2} \times 1\frac{1}{10} =$$

$$1\frac{2}{3} \times \frac{3}{10} = -$$

$$204 \quad 2\frac{3}{4} \times 1\frac{2}{3} =$$

$$205 \ \ 3\frac{4}{6} \times \frac{1}{4} =$$

206
$$0.25 \times \frac{8}{9} =$$

$$207 \ 2\frac{2}{5} \times \frac{2}{3} =$$

$$208 \left| \frac{4}{5} \times \right| = \frac{4}{15}$$

$$209 \quad \frac{1}{4} \times \frac{1}{3} = \frac{7}{12}$$

$$210 \quad \frac{2}{7} \times \qquad = \frac{10}{49}$$



- $\times \frac{3}{8} = \frac{15}{24}$
- $\times \frac{3}{5} = \frac{6}{15}$
- $\frac{5}{4} \times \frac{3}{8} =$
- $214 \frac{1}{2} \times = \frac{3}{8}$

The product = 1

Choose

- **C.** 1

- C. 1

- C. 7

- C. 25
- **D**. 0

 $\frac{7}{5} \times \frac{5}{7} = 1$

 $1\frac{2}{3} \times \frac{3}{5} \Rightarrow \frac{5}{3} \times \frac{3}{5} = 1$

- C. $\frac{5}{2}$ D. $1\frac{2}{5}$

- 223 $A \cdot \frac{1}{2} = 1$
- $C.\frac{2}{3}$

- C. $\frac{5}{6}$

- - A. $\frac{7}{3}$ B. $\frac{3}{7}$
- C. $3\frac{1}{2}$
- D. 6

- C. 1
- $D, \frac{1}{3}$

Dividing fractions

Choose

$$\begin{array}{c|c}
7 \div \frac{1}{2} = \\
 & 3 \stackrel{1}{\cancel{}}
\end{array}$$

227 A.
$$3\frac{1}{2}$$

$$5 \div \frac{1}{3} \Rightarrow 5 \times 3 = 15$$

 $\frac{1}{4} \div 7 \Rightarrow \frac{1}{4} \times \frac{1}{7} = \frac{1}{21}$

A.
$$\frac{13}{4}$$

B.
$$\frac{1}{52}$$

$$\frac{1}{9} \div \frac{4}{11} \Rightarrow \frac{1}{9} \times \frac{11}{4} = \frac{11}{36}$$

$$3 \div \frac{1}{5} =$$

$$3 \div \frac{1}{5} = \frac{3}{5}$$
A. $\frac{3}{5}$

B.
$$\frac{1}{15}$$

D.
$$\frac{5}{3}$$

13 \div 7 equals each of the following except

²³¹ A.
$$1 \div \frac{6}{7}$$
 B. $1\frac{6}{7}$

B.
$$1\frac{6}{7}$$

D.
$$1 \times \frac{6}{7}$$

$$\begin{array}{c|c} 16 \div 7 = 2 & \frac{2}{-} \\ A. 7 & \end{array}$$

233
$$\frac{1}{3} \div 5 =$$
A. $\frac{5}{3}$

234 $4 \div \frac{1}{2} =$
A. 6

7 ÷ $\frac{1}{2} =$
A. 3 $\frac{1}{2}$

A.
$$\frac{5}{3}$$

B.
$$\frac{3}{5}$$

D.
$$4\frac{1}{2}$$

$$15 \div \frac{1}{2} = ...$$

$$\begin{array}{c} 15 \div \frac{1}{2} = \\ A. \frac{15}{2} \end{array}$$

B.
$$7\frac{1}{2}$$

B.
$$\frac{1}{12}$$

$$c. \frac{2}{6}$$

$$D, \frac{1}{8}$$

c.
$$\frac{4}{3}$$

D,
$$\frac{3}{4}$$

B.
$$\frac{3}{5}$$

c.
$$\frac{4}{5}$$
 D. $\frac{1}{5}$

D.
$$\frac{1}{5}$$

A. $\frac{2}{5}$

If 17 + 8 = a $\frac{1}{8}$, then a = -240

C. 17

D. 1

If $\frac{1}{2} \div m = \frac{1}{16}$, then m =

C. 14

 $lf6 \div h = 30$, then h =

B. 180

D. 90

If $\frac{1}{2} \div 3 = X$, then X =

B. $\frac{1}{6}$ C. 6

if $8 \div m = 24$, then m =

244

D. 32

12 ÷ 5 equals each of the following except

245

B. $\frac{12}{5}$

C. 2²/₅

D. $2 + \frac{2}{5}$

How many fifths are there in 7?

 $A.5 \div 7$

B. 5×7

C.5 + 7

0.7 - 5

How many thirds are there in 2 ?

247 A. 5

B. 2

C. 6

D. $\frac{3}{2}$

How many fourths in 3?

 $3 \div \frac{1}{4} \Rightarrow 3 \times 4 = 12$

The number of fifths in 4 is .

A. 9

B. 1

C. 20

D. $\frac{5}{4}$

How many thirds are there in 9 ?

249 A. 18

B. 27

C. 36

D. 24

The number of thirds in one is 250

B. 2

C. 3

D. $\frac{1}{3}$

If we divide 7 oranges among 5 persons, then each person has ----- orange.

251

A. $\frac{5}{7}$

B. $1\frac{1}{5}$ C. $2\frac{1}{5}$

D. $1\frac{2}{5}$

If Ahmed bought 7 kg of meat and wanted to divide it into 5 meals , then the number

252 of kg in each meal = ____ kg

A. 7×5

8.5÷7

C. 1 =

D. 7-5

Complete

 $5 \div \frac{1}{2} = -$

254	$7 \div \frac{1}{4} =$
-----	------------------------

$$\frac{1}{3} \div 6 =$$

$$\frac{1}{6} \div 4 =$$

$$257 \ 13 \div \frac{1}{4} = ----$$

$$258 \ 3 \div \frac{1}{5} =$$



Area of a rectangle

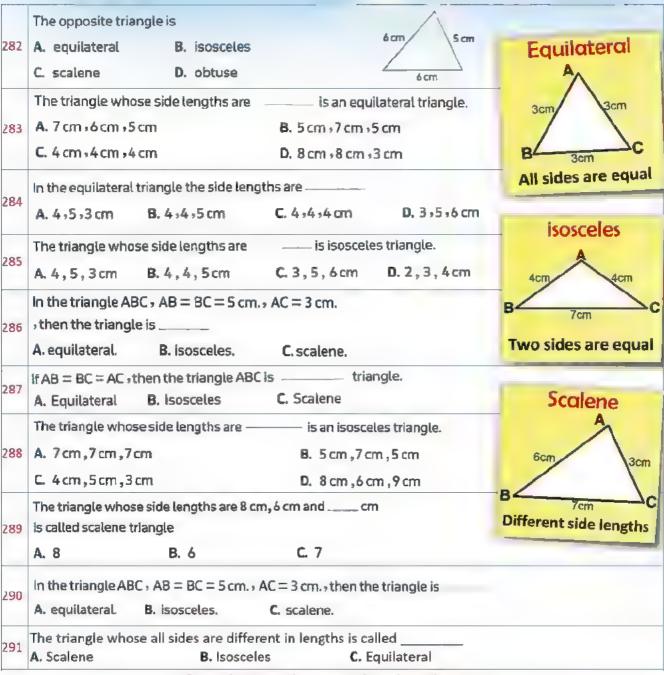
Cho	ose .				
	The area of th	e opposite rectangle:	=squar	e units.	
259		B. 18			
	C. 20	D. 24			
260	Area of rectan				7
260	A. L+W	B. L×W	cr+M	D. [L+W)×2	
261	Area of rectar	ngle = × w			
201	A. l	B. w	C. h	- D. base area	
	The area of re	ctangle whose dimen	sions are 1 m and	1 m is	
262	A. $\frac{1}{12}$ m ²	B. $\frac{3}{4}$ m ²	C. 12 cm²	D. 1/12 m	Area of rectangle
263	The area of re	ctangle of length $\frac{2}{3}$ cn	n and width $\frac{1}{4}$ cm i	196	Vidth
203	A. 11/12	B. 1/6	C. 5/12	D. $\frac{3}{8}$	Length
264	The area of re	ctangle of dimensions			Area = L × W
204	A. 13 3 m	B. 8 m	C. 8 m ²	D. 13 3 m ²	
	The area of re	ctangle of length $\frac{3}{4}$	cm and width $\frac{2}{5}$ c	m is ——— cm²	
265	A. 1/4	B. 5	c. $\frac{3}{10}$	D. $\frac{2}{3}$	
255	The area of re	ctangle of dimensions	$7\frac{1}{2}$ meters and $2\frac{1}{5}$	meters is m ²	
266	A. $5\frac{3}{10}$	B. $14\frac{3}{10}$	C. 9	7 0 D. 16	2 1 2
267	The area of re	ectangle of dimension	$\frac{2}{5}$ m and $\frac{1}{3}$ m	The area of rectangle	of length $\frac{3}{8}$ m and width $\frac{1}{5}$ m
	A. >	B. <	c. =		

Types of triangles according to measure of angles

Cho	ose	
268	50°,70° and 60° are the measures of the angles of triangle. A. an obtuse-angled B. a right-angled C. an acute-angled	Right triangle
269	If m (\angle X) = 40°, m (\angle Y) = 90° and m (\angle Z) = 50°, then the triangle is angled triangle. A. Acute B. Right C. Obtuse	B 90° 30° C
270	The triangle whose measures of angles are is an acute triangle. A. 110°, 20°, 50° B. 45°, 45°, 90° C. 70°, 80°, 30° D. 90°, 80°, 10°	The measure of one angle is equal to 90°
271	The triangle whose measures of angles are is an obtuse triangle. A. 30°, 100°, 50° B. 30°, 60°, 90° C. 70°, 80°, 30° D. 50°, 80°, 50°	Acute A triangle 70°
272	\triangle XYZ, m(\angle X) = 40°, m(\angle Y) = 90° and m(\angle Z) = 50°, then the triangle XYZ is triangle. A. acute B. obtuse C. right	B 50° 60° C
273	In $\triangle ABC$, m($\angle A$) = 130°, m($\angle B$) = m($\angle C$) = 25°, then the triangle ABC is triangle. A. acute B. obtuse C. right	The measure of each angle is less than 90°
274	\triangle ABC, m(\angle A) = 30°, m(\angle B) = 100° and m(\angle C) = 50°, then the triangle ABC is triangle. A. acute B. obtuse C. right	A Obtuse
275	\triangle EFG , m(\angle E) = 55° , m(\angle F) = 35° and m(\angle G) = 90° , then the triangle EFG is triangle. A. acute B. obtuse C. right	triangle
	\triangle ABC, m(\angle A) = 46°, m(\angle B) = 38° and m(\angle C) = 96°, then the triangle ABC is tr angle. A. acute B. obtuse C. right	The measure of one angle is greater than 90°
277	Any triangle has at least acute angles . A. 2 B. 3 C. 1 D. 0	
278	The opposite triangle is A. acute B. right C. obtuse D. equilateral	

Types of triangles according to lengths of sides

Cho	ose		
279	The triangle whose all sides are equal A. acute B. obtuse	in length is called	_triangle
280	There are two equal sides only in the A. acute B. obtuse	triangle C. right	
281	The triangle whose side lengths are	is isosceles triangle.	l tops
	A. 4, 5, 3 cm B. 4, 4, 5 cm	C. 3, 5, 6 cm D. 2, 3,	4 cm

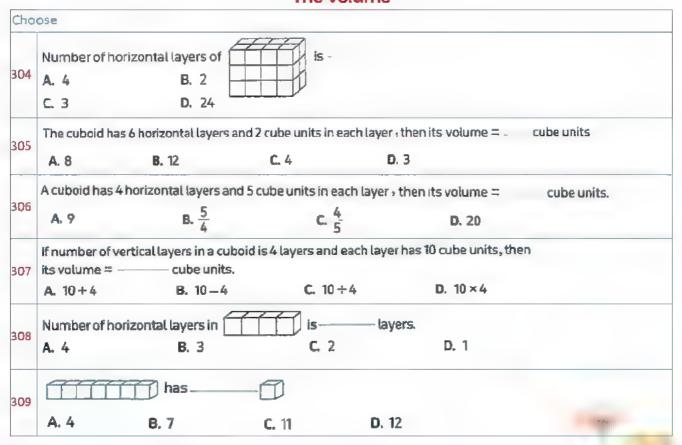


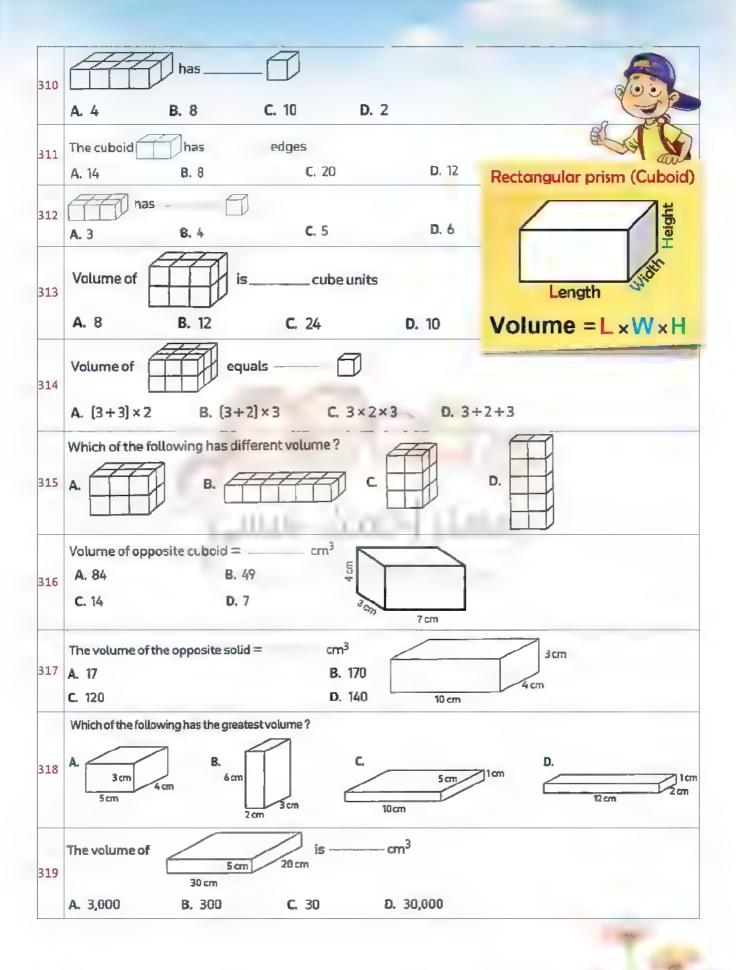
Coordinate plane and ordered pairs

Cho	056				
202	The	is called the origin ;	point.		
292	A. (1,0)	B, (0 ·1)	C. (1,3)	D. (0 , 0)	
293	The X-coord	Inate of the origin poir	ntis	ALVA A	
293	A. 0	B. 1	C. 2	D. 3	
294	The X-coordi	nate in ordered pair (3	,2) is -		
294	A. 3	B. 2	C. 5	D. 6	HARRIE
295	Which of the	following points loc	ated on Y-axis?		100
293	A. (1,0)	B. (0, 1)	C. (1 , 1)	D. (3, 0)	46

X-axis X-coordinate B y-coordinate	es on	10 D. 0	
X-axis X-coordinate B y-coordinate	B. Y-axis of (2,5) is	10 D. 0	
2 B	. 5 C .	10 D. 0	
e y-coordinate		100	
•	in the orderd p		
	-	pair (1,8) is	
1	B. 8	C.1+8	D. 8-1
e y-coordinat	e of (0 , 7) is	1	and home
0	B. 7	C. 70	D. 1
e origin point	is —		
(1,0)	B. (0,1)	C. (0,0)	D. (1+1)
e point —	lies on X-	axis.	
(0,5)	B. (1,5)	C. (5 ,1)	D. (5,0)
nich of the foll	owing points l	ocated on y-axis?	
(1,0)	B. (0,1)	C. (1,1)	D. (7,0)
E (origin point: (1,0) point (0,5)	B. 7 e origin point is (1,0) B. (0,1) e point lies on X-(0,5) B. (1,5) sich of the following points is	e origin point is (1,0) B. (0,1) C. (0,0) point ties on X-axis. (0,5) B. (1,5) C. (5,1) sich of the following points located on y-axis?

The volume



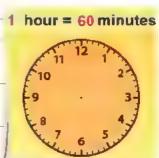


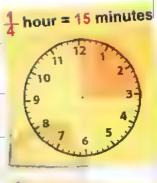
	Volume of oppo	site cuboid =	cm ³	7		
20	A. 15	B. 120		Scm		
20	C. $\frac{6}{5 \times 4}$	D. $6+5-4$		100		
			6 cm	W () ()		
124	Cuboid of length 5 m, width 2 m and heigh 3 m, then its volume = ———					
21	A. 30 cm ³	B. 10 cm ³	C. 12 cm ³	D. 30 m ³		
	Capacity of water	er can be poured in a cu	uboid vessel of inner d	imentions 30 cm, 2	0 cm	
		scm ³				
	A. 60	B. 6,000	C . 5,000	D. 4,000		
	Volume of opp	osite solid is ———	cm³ Area =	16cm²		
23	A. 4	B. 20		E57	Base Area	
	C. 12	D. 64			T	
	Volume of opp	osite solid is	— cm ³ Are	ea = 36 cm ²	uma = Basa Araa v I	
24	A. 36	B. 360		Vol	lume = Base Area × I	
27	C. 122	D. 46	10,0	m		
	Volume of cube	oid = 60 cm ³ and base	area = 20 cm ² , then	its neight =	— cm	
25					0	
	A. 1200	B. 80	C. 3	D. 4	·	
	Length of cub	oid =	نتنات ك	- June		
26	A. l×w×h	B, volume	c. base area	D, w×h		
	The	***************************************				
		the opposite figure is ig dimension is	24cm ³	7 -	t to the second	
27			D 2		ne missing dimension	
	A.3 B.	6 C.8	D. 2 4cm	cuboid i	s 40cm³, then the	
		ilssing dimension in t	he opposite	7:1	$\frac{V}{cH} = \frac{40}{5 \times 4} = 2 \text{cm}$	
28	figure its volun		cm.	?	CH - 5 × 4 - 2011	
	A. 2	B. 3		3cm 1 7 3		
	C 4	D. 5	4 cm		/ L VV T\	
	The missing dir	nension of 👸 📗	s			
29		اِ ۾َ				
		2 CIT	3			
	A. 5 cm	B. 5 cm ³	C . 2cm ³	D. 8 cm		
.om	plete					
30	Number of cube	units of is			2.04	
					7.00	

331	Rectangular prism has 2 horizontal layers and each layer has 6 cube units , then its volume = cube units .
332	Volume of cuboid = × He ght
333	Cuboid of base area 16 cm^2 and he gh 3 cm , then its volume = $-\text{cm}^3$
334	Volume of cuboid =××
335	Volume of cuboid is 40 cm ³ , its length 5 cm and width 4 cm, then its height = cm

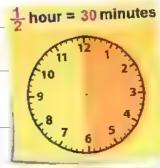
	0.2	4.7
Lonu	erting	time
COLLA	CI 41119	ALL LIES

			Converting	time	4 1
Cho	ose				1 hour =
336	2 hours = A. 90	minutes B. 120	C . 20	D. 130	10
337	3 hours = A. 60	minutes B. 72	C. 48	D. 180	69
338	1½ hour = A. 90	minutes B. 135	C . 80	D. 75	- The
339	1 ¹ / ₃ hours = A. 80		C. 120	D. 140	$\frac{1}{4}$ hour =
340	1 ¹ / ₂ hour = A. 90	minutes , B. 120	C. 80	_ D. 150	F10
341	1 minute =			D. 60	-9
	90 seconds = $\frac{1}{2}$	minutes B. 1 ¹ / ₄	C. 2	D. $1\frac{1}{2}$	- Land
343	_	minutes B. 2	C. 1	D. 2 ¹ / ₄	$\frac{1}{3}$ hour =
344				D. 2, 30	10
345		hours and		D. 2, 30	L 8 7
346	$2\frac{1}{4}$ hour =		C. 80	D. 135	$\frac{1}{2}$ hour =
347	1 day = A. 28	_ hours B. 48	C. 24	D . 72	11
348	$1\frac{1}{2}$ day = A. $\frac{2}{3}$	hours B. 24	C . 36	$D.\frac{3}{2}$	F 10
349	1 year = A. 6	_ months B. 12	C. 10	D. 60	Le 7
350	2 years = A. 42	months B. 48	C. 24	D . 12	









351 $\frac{1^{\frac{1}{2}} \text{ year}}{\text{A. } 18} = \underline{\qquad}$ months **B.** 6

€. 24

D. 12

 $\frac{1}{4}$ year = ____ months.

B. 4

C. 6

D. 12

30 months = _____ years + ____ months

B. 2,6 **C.** 1,10

D. 2, 4

Complete

$$\frac{2}{3}$$
 minute = $\frac{2}{3}$ seconds

$$7\frac{1}{10}$$
 minutes = minutes and seconds

358
$$6\frac{1}{2}$$
 years = years and months

$$4\frac{3}{4}$$
 hours = hours and minutes



Final revision

A	Check binec	4 31 WH				
	The mixed nur	nber 4 $\frac{1}{3}$ can be regr	ouped as			
361	A. 13	B. 3 1/4	c. $3\frac{4}{3}$	D. $4 + \frac{1}{3}$		
	$\frac{3}{4} + \frac{1}{2} = $					
362	$\frac{3}{4} + \frac{1}{2} =$ A. $\frac{4}{6}$	B. $\frac{3}{8}$	C. 1/4	D. $1\frac{1}{4}$		
	19/5 is equivaler	nt to				
363	$\frac{19}{5}$ is equivalent.	B. 4\frac{1}{5}	C. 3 $\frac{5}{5}$		D. 3 $\frac{4}{5}$	
364	$2\frac{1}{3}$ hour =	minutes				
-	A. 120	B. 140	C. 80	D. 135		
365	$lf2\frac{1}{4}-n=\frac{3}{4}$	then n =	_			
363	A. 2	B. $\frac{3}{4}$	C. 3	D. $1\frac{1}{2}$		
366	$\frac{3}{4} - \frac{5}{8} = -$					
366	A. $\frac{1}{4}$	B, 1/8	$C_{1} = \frac{3}{8}$	D. <u>\$</u>		
	Which of the f	ollowing points loca	ated on y-axis?			` .
367	A. (1,0)	B. (0 ,1)	C. (1+1)	9 . (3 ,0)		-

The triangle of side lengths are 5 cm , 6 cm , 7 cm is called

triangle.

A. Equilateral

B. Isosceles

C. Scalene

The cylinder has ____ - bases.

C. 2

D. 3

 $2\frac{3}{5}+---=3\frac{1}{4}$

A. $\frac{13}{20}$ B. $1\frac{4}{5}$ C. $1\frac{2}{5}$ D. $1\frac{1}{4}$

The cube has _____ faces.

A. 4

B. 6

C, 8

D. 12

If $\frac{1}{5} \div a = \frac{1}{10}$; then a =

 $c. \frac{1}{5}$ 2 0. 2

The measure of each angle in square is

A. 45°

8. 90°

C. 100°

D. 180°

C. 20

Number of faces of cube Number of faces of cuboid.

376

377 If $\frac{1}{2} + a = \frac{7}{8}$, then $a = \frac{1}{8}$

C. $\frac{8}{10}$

D. $1\frac{1}{8}$

The pentagon has _____ sides.

B. 4

C. 5

D. 6

90 seconds = ____ minutes.

A. 90 B. 1 $\frac{1}{4}$

379

C. $1\frac{1}{2}$

0. $1\frac{1}{3}$

The fraction $\frac{10}{15}$ is equivalent to

C. $1\frac{1}{2}$

D. $\frac{20}{33}$

The _____ is a polygon with 6 sides.

381 A. quadrilateral B. pentagon

/ C. hexagon

D. square

Which of the following is equal to $4 \times 2 \frac{1}{2}$?

D. 10

 $\frac{B}{11} \times 2.5 =$

A. $\frac{16}{11}$ **B.** $1\frac{9}{11}$

C. $\frac{11}{20}$

The triangle whose side lengths are _____.

is an equilateral triangle.

A. 7 cm + 6 cm + 5 cm

B. 5 cm, 7 cm, 5 cm

C. 4 cm , 4 cm , 4 cm

D. 8 cm , 8 cm , 3 cm

The following table shows the fractions of chicken production for three farms during October:

The farm	First	Second	Third
The fractions	1/4	1/2	

, then the representation of these data by the pie chart is









has five vertices and five faces.

386 A. cone

B. cuboid

C. square pyramid

D. sphere

If $\frac{5}{8} = \frac{x}{40}$, then x = -

387

C. 40

D. 5×8

The sphere has _____edges. 388

B, 2

C. 1

D. zero

If $3\frac{5}{m}$ is about 4, then m may be

C. 10

D, 12

 $1\frac{5}{6} \times \frac{5}{6}$ is $-1\frac{5}{6}$

A. less than

B. equal to

C. greater than

 $\frac{1}{3} \div 3 \qquad \frac{1}{3} - \frac{2}{9}$

A. <

B. =

C. >

Which of the following is equivalent to $\frac{3}{7}$?

392 A. $2\frac{1}{3}$

B. $\frac{13}{17}$

C, 9/21

D. $\frac{6}{10}$

The square pyramid has _____triangle faces.

393 A. 4

B. 5

C. 7

D. 8

If 5 $\frac{7}{6}$ is slightly greater than $5\frac{1}{2}$, then f may be

A. 13

B. 7

C. 5

D, 57

The volume of cuboid of dimensions 17 cm - 13 cm and 11 cm equal

 cm^3

395

A. 2341

B. 2431

C. 2314

D. 2341

12 ÷ 8 = 1 -

396 **A.** 2

B. 3

C. 4

Ď. 9

In the opposite figure, the measure of the central angle of the colored circular sector equals ————

³⁹⁷ A. 360

B. 100

C. 130

D. 230



 $\frac{1}{4}$ year = ____ months.

A. 3

B. 4

C. 6

D. 12

The cuboid has 6 horizontal layers and 2 cube units in each layer, then its

399 volume = _____ cube units

A. 8

B. 12

C. 4

D. 3

 $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} =$

A. $\frac{1}{3}$

B. $\frac{2}{9}$

c. $\frac{13}{20}$

D. $\frac{2}{17}$

The _____ is called the origin point.

A. (1,0)

B. (0,1)

C. (131)

D. (0,0)

 $3\frac{1}{2} - 1\frac{2}{3} = ...$

A. $1\frac{5}{6}$

B. $6\frac{1}{5}$

B. 2

C. $5\frac{1}{6}$

D. 1-5



120 seconds = ____ minutes

403 **A. 1**

C. 3

0.4

Which of the following points located on y-axis? 404

- A. (1,0)
- B. (0 -1)
- C. (1,1)
- D. (7,0)

Area of rectangle = __

- 405 A. L+W
- B. L×W
- C. L+W
- D. $(L+W)\times 2$

If $8\frac{3}{C}$ is slightly less than $8\frac{1}{2}$, then C may be

- *t* **B. 4**
- **D.** 15

- 407

- C. 20

The number of thirds in one is

- 408

 $5\frac{1}{6} + 2\frac{4}{5}$ is estimate as 409

- C.5 + 2
- D.6 + 4

The triangle whose side lengths are _ —— is isosceles triangle.

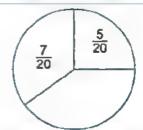
- 410
 - A. 4, 5, 3cm B. 4, 4, 5cm
- C. 3, 5, 6 cm
- D. 2, 3, 4cm

Complete each of the following

- $---+1\frac{5}{7}=3\frac{5}{14}$ 411

In the opposite figure:

The fraction of the shaded pie chart = -



- 414 $5-\frac{1}{2}-\frac{1}{3}=$
- 415 $\frac{1}{4}$ year = ____ months.
- $416 | 7\frac{1}{2} \times \frac{1}{15} =$

- On the grid, the x-coordinate of (5,7) is
- The LCM of the denominators of the fractions $\frac{1}{3}$ and $\frac{5}{12}$ is
- The snape which has 0 faces, 0 edges and 0 vertices is

- 420 If $x + 5\frac{5}{6} = 9\frac{1}{12}$, then x =
- 421 The cuboid has
- 422 Height of cuboid =
- $423 \quad \frac{10}{3} \times \frac{3}{10} =$
- 424 $\frac{1}{2} \times = \frac{3}{8}$
- 425 $\frac{2}{5} \frac{1}{4} = -$
- 426 If 5 ÷ a = 10 , then a = -
- 427 If 2 $\frac{1}{7} = \frac{x}{7}$, then x =
- $428 \frac{1}{2} \times = \frac{3}{8}$ $429 2\frac{1}{4} + 2\frac{1}{4}$
- 430 $\ln \triangle ABC$, AB = BC = 7 cm and AC = 4 cm, then the triangle is
- $431 \frac{1}{2} \times \frac{3}{5} =$
- 432 Volume of cuboid = _____ × height.
- $3\frac{1}{2}$ years = _____ years and _____ months
- 434 Simplest form of $\frac{16}{24}$ is ____
- $435 \ 1\frac{1}{2} \times 2\frac{2}{3} =$
- $436 \ 7\frac{3}{8} + = 10\frac{1}{4}$
- C Solving story problems
 - Fatma feeds her cat $\frac{1}{8}$ of a kilogram of cat food each day.
- How many days will 4 kg of cat food last?
- Jomana likes chocolate. One day she bought a chocolate and ate $\frac{2}{9}$ of it in the morning and $\frac{2}{3}$ in the evening. How much part of the chocolate has she eaten?
- Hany collected $5\frac{1}{4}$ kilograms of honey. He gave his brother $2\frac{3}{7}$ kilograms of them.
- How many kilograms are left?



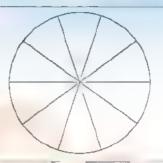
	If the price of each book is 10 ½ L.E
440	Find the price of 8 books.
	The price of each pen is $2\frac{1}{2}$ L.E.
441	Find the price of 6 pens.
442	The price of 9 notebooks is 55 L.E. Find the price of each book .
	Nermin took 2 \frac{1}{3} hours to paint a table and 1 \frac{1}{4} hours to paint a chair.
443	How much time did she take in all ?
444	How many thirds are in the number 7?
445	How many fourths in the number 3?
446	How many $\frac{1}{4}$ cup are there in 7 cups of chocolate?
447	How many sevenths are in the number 5?
448	If the price of 9 pens is 77 L.E. Find the price of each pen.
449	3/4 of the teachers staff are male. How many of the staff are female?
	Martin spends $\frac{1}{3}$ of his money to buy food and $\frac{1}{2}$ of it to buy toys.
450	What fraction does the left money represent?
	Youssel's dad said he will give him $7\frac{1}{2}$ L.E if he works one hour.
451	How much will he give him for 3 hours and 15 minutes?
	Marwan studied math for 2 ½ hours and science for 90 minutes.
452	How many hours did Marwan study in all?

	A juice can is in the shape of cuboid , its base is square shaped of side length 5 cm. and its
453	height is 10 cm
100	Calculate the volume of juice can.
454	Ahmed had $10\frac{1}{2}$ L.E. in his pocket and $15\frac{3}{4}$ L.E. in his bank. How much money did he have ?
	HOW INDUITED HIS TIET THE TIET OF THE TIET
455	Victor has 7 liters of mango juice. If he drinks \(\frac{1}{4}\) Litre of juice each day. How many days will it take him to finish all the juice?
456	If the price of 8 pencils is 60 pounds. Find the price of each pencil.
	1 1
	Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more.
457	What distance that Sameh walked?
	A cuboid whose volume is 8000 cm ³ and the length of its base is 25 cm and the width of
458	its base is 16 cm Find the height of the cuboid.
	A house has a door that is $1\frac{1}{2}$ m wide and $2\frac{1}{2}$ m long.
459	What is the area of the door in square meters?
	Nagwa bought $2\frac{2}{3}$ liters of mango juice for $8\frac{3}{8}$ LE. for each liter.
460	
	How much money did she pay ?
	Youssef walked 1 1 km Ahmed walked 1 km more than Youssef
461	How many km did Ahmed walk?
	Committee and the committee of the commi
462	Sohila likes chocolate. One day $_{1}$ she bought a chocolate and ate $\frac{1}{3}$ of it. Next day. she ate $\frac{1}{5}$ of it. Find the fraction of the left part.
	The opposite figure shows the percentages of sales
	of different types of books. Complete:
463	1. The sales fraction of science books is
	2. The least sales fraction is in English 0.15

The following table shows the fractions of the number of hours that Marwa studied in different subjects in a week.

Subject	Arabic	Maths	Science	English
Fraction	10	2 5	1 7	3 10





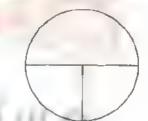
Represent these data by the opposite pie chart.

The following table shows the number of students who practice sports. Represent these data using the pie chart on the opposite figure.

465

464

Sport	Football	Basketball	Volleyball
Number of students	20	10	10



An employee spends his salary as follows.

L.E. 200 for clothes.

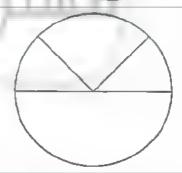
LE 800 for food.

466

LE. 400 for transportation and medicine.

L.E. 200 for renting an apartment.

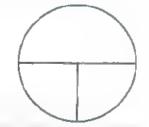
Graph that data on the opposite pie chart.



The following table shows the number of students who practice sports. Represent these data using the pie chart on the opposite figure.

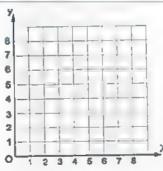
467

Sport	Football	Basketball Volleyba	
Number of students	20	10	10



in the opposite coordinate plane:

- 1. Graph the figure ABCD where A(2,8), B(3,4), C(8,4) and D(7,8)
- 468
- 2. What is the length of \overline{AD} ?



- a. Plot the points on the coordinate grid.
 - A(3,2)

B(3,5)

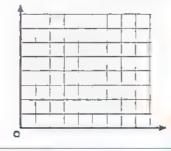
C(6,5)

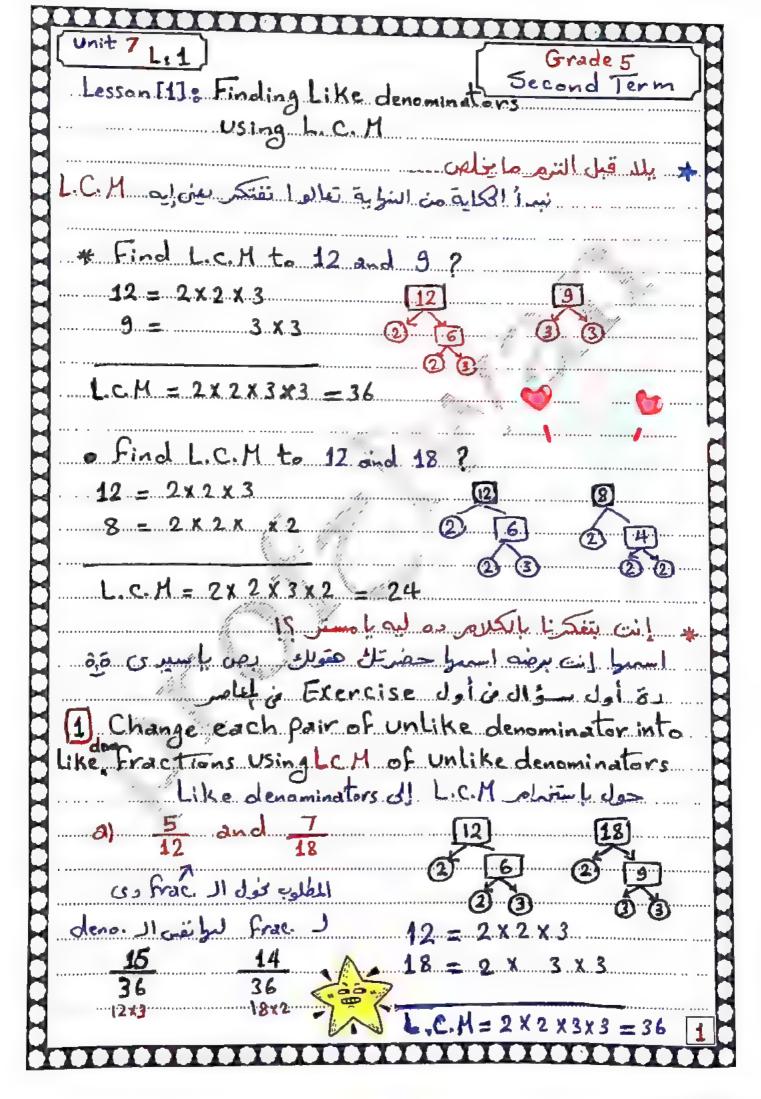
D(6,2)

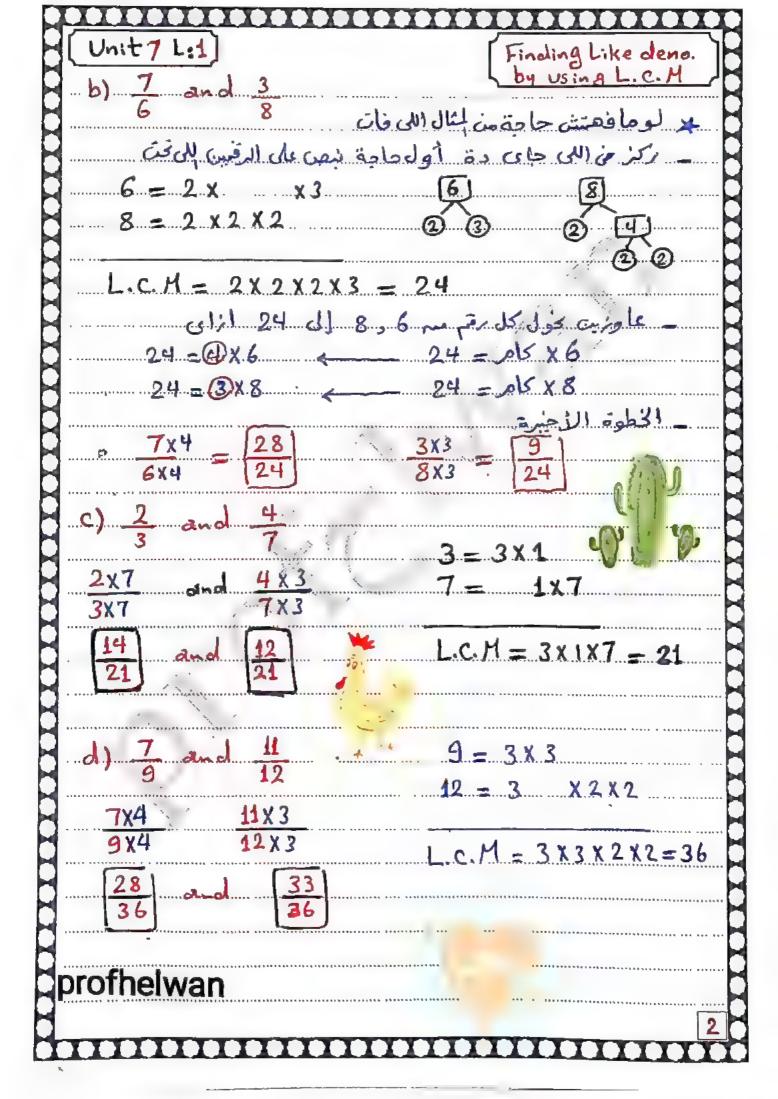
469

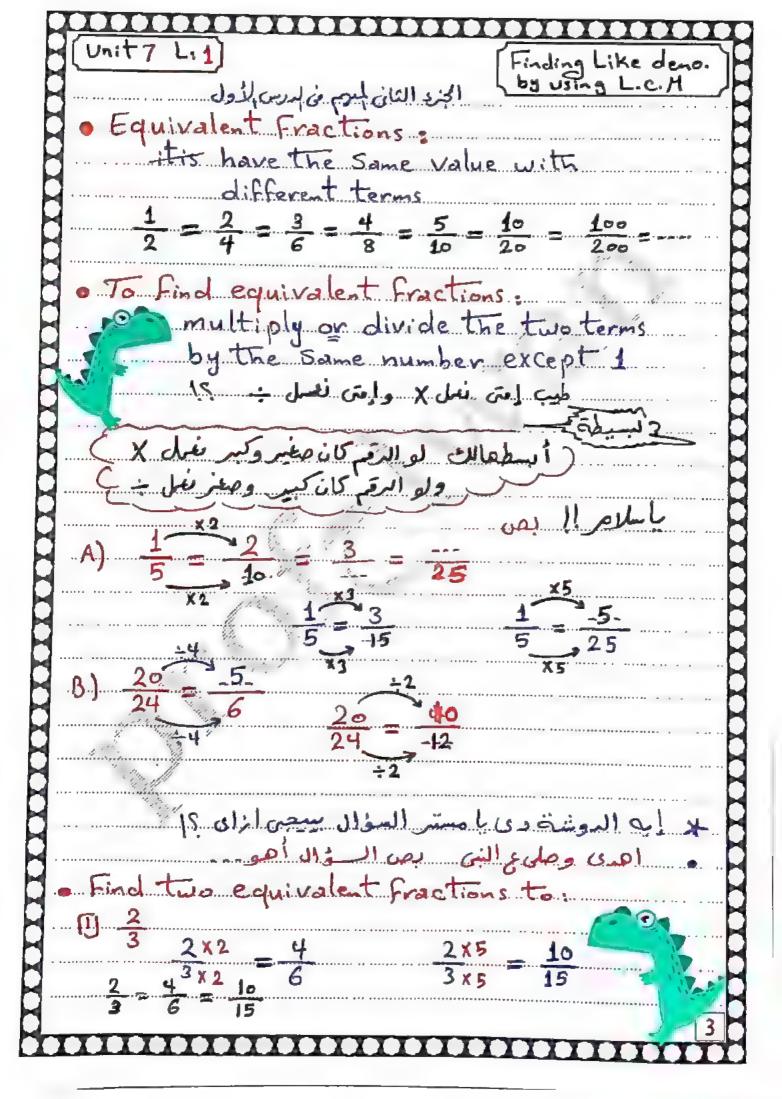
b. Connect the points in order.

What polygon did you create?









Grade 5 Second Ter 3+5 x 10 $3\frac{5}{10} = 35$ $\frac{35 \times 2}{10 \times 2} = \frac{70}{20}$ $3\frac{5}{10} = \frac{70}{20} = \frac{7}{2}$ [3] $\frac{30}{60} = \frac{3}{6} = \frac{6}{12}$ المنزل حل معلم العدر اللي تنعله X أو يا المنزل حل الله تعلم X أو ين المنزل الله تعلم X أو ينا فووم ميتي هويف Put The following Fractions in the John Dimplest Form: a po builde up $2 \frac{15 \div 5}{30 \div 5} = \frac{3 \div 3}{6 \div 3} = \frac{1}{2}$ Droppelwan 3 6 ÷ 6 2 8 2 8

Unit 7 L.1

Homework

* Send to Prof *

(1) Complete the following =n

a)
$$\frac{3}{5} = \frac{9}{--}$$
 b) $\frac{7}{21} = \frac{1}{--}$

b)
$$\frac{7}{21} = \frac{1}{---}$$

d)
$$\frac{2}{7} = \frac{6}{12}$$
 e) $\frac{4}{12} = \frac{1}{36}$ f) $\frac{3}{10} = \frac{1}{50}$

e)
$$\frac{4}{12} = \frac{---}{36}$$

(2) put the following fractions in the Simplest form:

$$\frac{1}{36}$$

d)
$$\frac{24}{36}$$
 e) $3\frac{6}{18}$ f) $\frac{14}{35}$

(3) Final two equivalent Fractions to each Fraction

a)
$$\frac{21}{27}$$
 b) $\frac{4}{5}$ c) $\frac{36}{48}$

d)
$$3\frac{3}{6}$$
 e) $\frac{35}{70}$ F) $\frac{1}{2}$

4) Find the Smallest like denominators for the following Fractions using L. C. M.

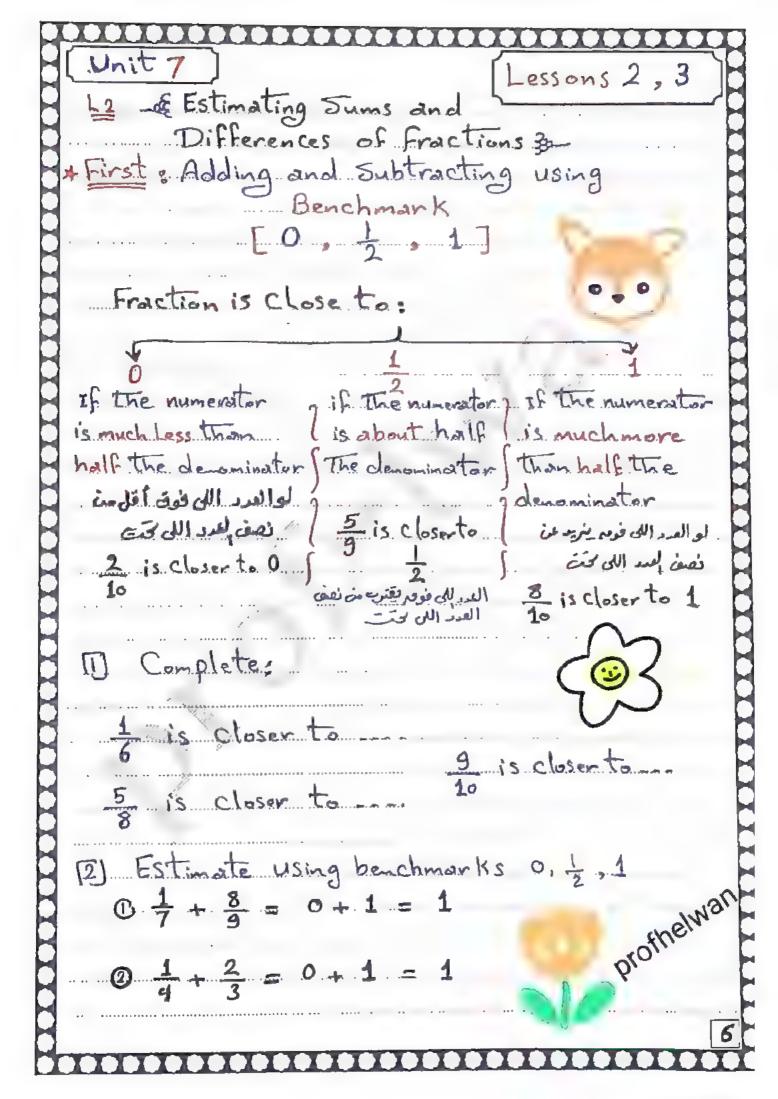
a)
$$\frac{5}{12}$$
, $\frac{3}{16}$ b) $\frac{4}{9}$, $\frac{2}{3}$

c)
$$\frac{5}{6}$$
, $\frac{3}{8}$

d)
$$\frac{3}{5}$$
, $\frac{2}{15}$

$$f) = \frac{3}{4}, \frac{5}{12}$$





Unit 7

 $\boxed{3} \frac{4}{9} + \frac{7}{8} = \frac{1}{2} + 1 = 1\frac{1}{2}$

Lessons 2, 3



Indicate whether the given estimate?

is an overestimate or underestimate?

whether the given estimate?

a. $\frac{9}{10} + \frac{2}{5}$ is about $1\frac{1}{2}$ overestimate underestimation and ship of all

Estimation, प्रकारिय	التقدير	الفية لجعيفية	Fraction
تقدير بقية أكبر ٧٠٠٠	1 .	أقلمن	9 10
القدير بهية أكبر ٢٠٠٠	1 2	1 2000	2 5

b. 3 + 6 is about 1. Underestimate

1 in 10

2 is about 1. Underestimate

C. 1 + 5½ is about 1 Underestimate

d. 32 is about 1 overestimate

Unit 7 Lessons 2,3
e. J is about 2
e. 9 7 is about 2 1 is 10 printe overestimate
$f = \frac{7}{12} + \frac{12}{11}$ is about $1\frac{1}{2}$ underestimate
12 11
2
Second Using models to add and Subtract
Second : Using models to add and Subtract.
Fraction wall
دة قون ولروس كبر د ماغلى منه مشاماي .
H Kamel Says that 11 _ 7 will be about 1 _ 12 _ 10 will be about 1 _ 2 _ 10 _ 10 _ 10 _ 10 _ 2 _ 2 _ 2 _ 2 _ 2 _ 2 _ 2 _ 2 _ 2 _
Fady Says 11 - 7 will be close to 0
Da you sares with Kamel or fady? why?
Sel By usia a heach work
Sol. By using benchmark
$\frac{11}{12}$ $\frac{7}{10}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
T 1
I agree with Kamel
تعالوا نتعلم طريقة جديدة لل
* Adding and Subtracting Unliked denominators
Fractions using models
(1) \frac{1}{3} + \frac{5}{6} = equivalent \(\) \(
Like denominators of males while to
2 5 7
$\frac{2}{6} + \frac{5}{6} = \frac{7}{6}$

Unit 7

Lessons 2,3

 $\frac{5}{6} - \frac{3}{6} = \frac{2 \div 2}{6 \div 2} = \frac{1}{3}$

-& Home work 30-

1 Estimate using benchmarks 0, 1 and 1

$$0 \frac{5}{6} + \frac{3}{7}$$

$$2\frac{3}{8}+\frac{4}{5}$$

$$3 \frac{9}{10} - \frac{7}{8}$$

$$\sqrt{2} + \frac{6}{5}$$

2) Use your Fraction wall to evaluate

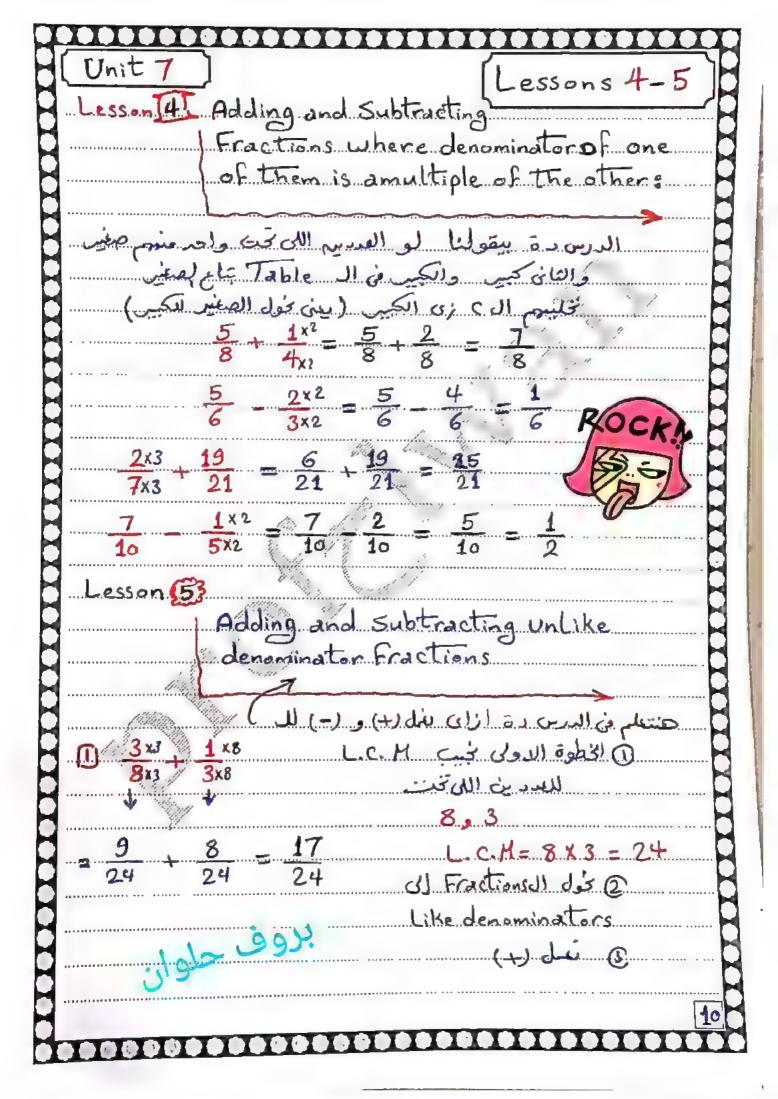
$$0 \frac{1}{3} + \frac{5}{6}$$

$$\frac{4}{5} - \frac{1}{10}$$

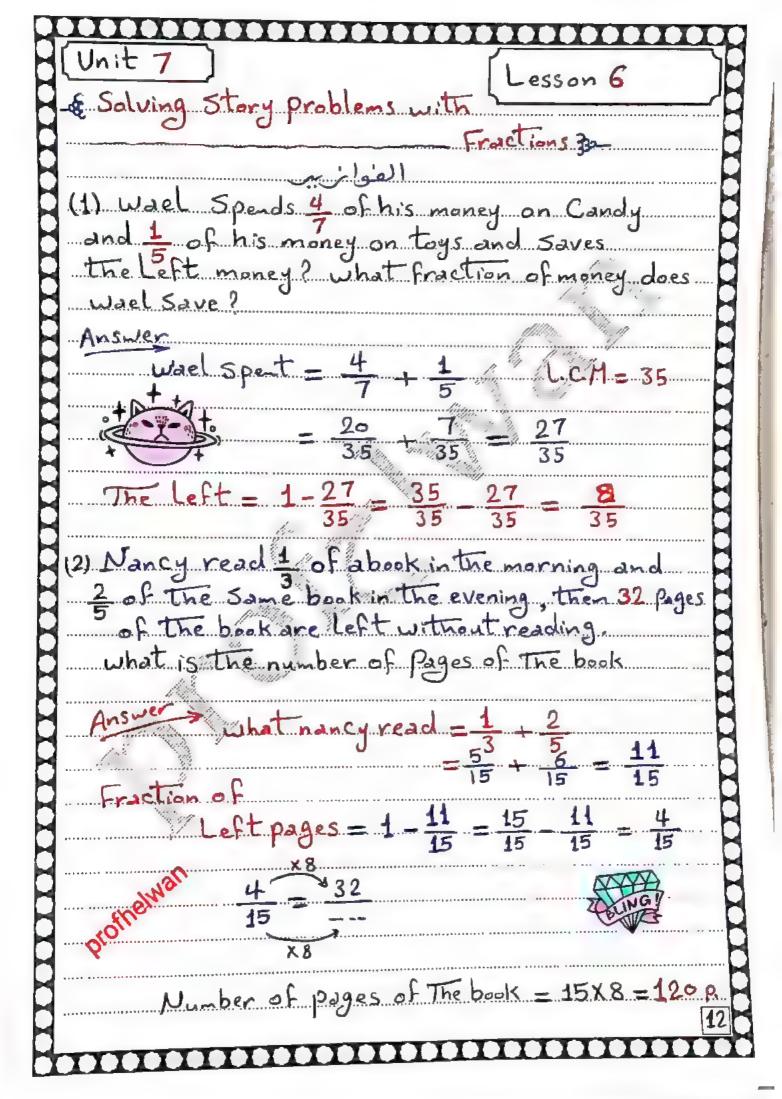
- [3] 7 + 5 is about 1 overestimate or underestimate
- (H) 8 + 5 is about 11 overestimate or underestimate

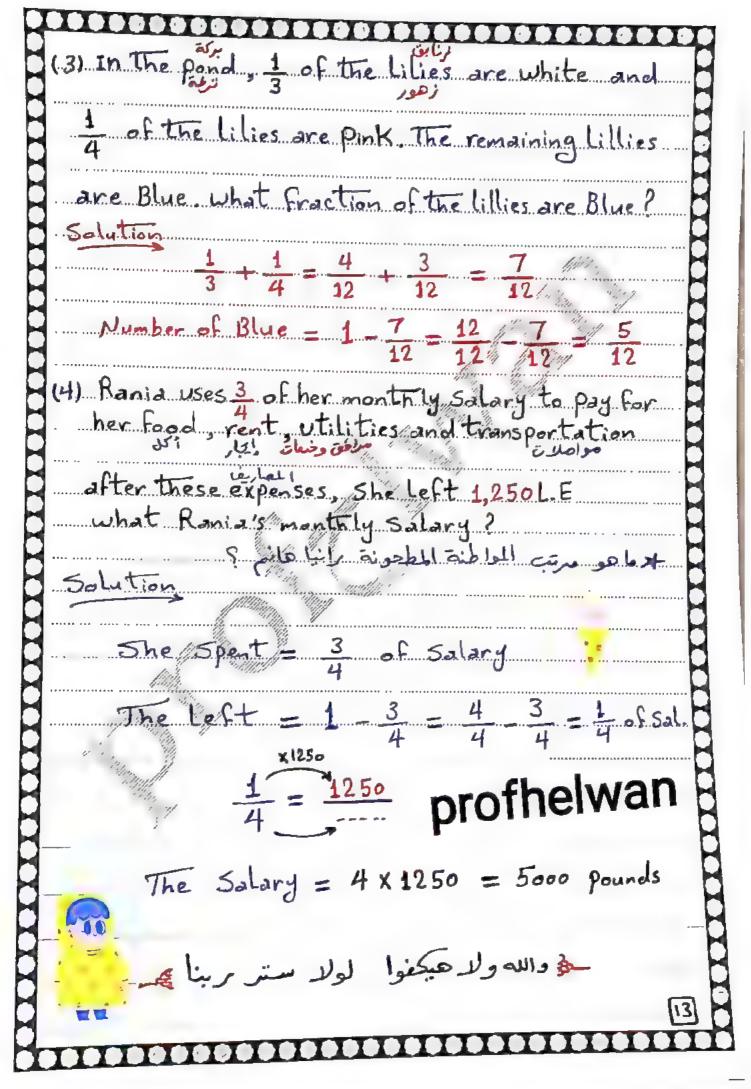
بروف حلوان

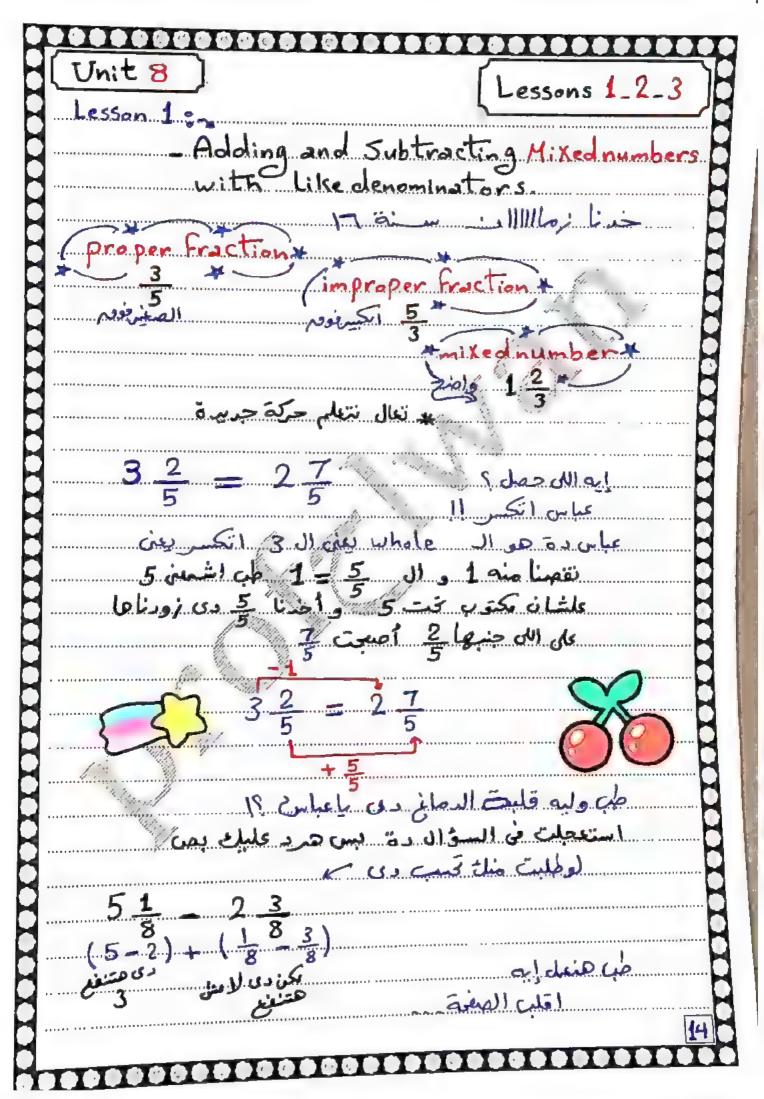




F	******************	II
	$\frac{7^{x^2}}{2} = \frac{1}{x^3} \times 3$ $9 = 3 \times 3$	
	$g_{x2} = 6x3$ 6 = 3 x 2	
	14 3 18 18	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8
	18	8
	$\frac{2x8}{3} + \frac{3x5}{4} + \frac{1}{4} + $	
	5×8 8×5	
	$\frac{16}{40}$ $\frac{15}{40}$ $\frac{40}{40}$ $\frac{71}{40}$ $\frac{31}{40}$	
	40 40	
	$\frac{1}{4} - \frac{1}{5} = \frac{1}{5}$	
	20 5 4 11	
	20 20 20	
	[5] Who is Correct? Soliman, Seif and Samar	-8
	12 3	
	Soliman's Answer 9 Seif's Answer 3	8
	Samar's Answer 3	8
	DIS Soliman Correct? why?	
0	_ yes, He rewrote the fractions with like	
	* */	B
Ì	denominators Using L.C.M	
	2 Is Seif Correct? why?	Ä
Ö	No, He added numerators and denominators.	Ħ
	3) IS Samar Correct? why?	Ä
7	yes, She Simplified the answer.	11
X	******************	







$$= 4\frac{9}{8} - 2\frac{3}{8}$$

$$= (4-2) + (\frac{9}{8} - \frac{3}{8})$$

$$= 2 + \frac{6}{8}$$

$$= 2\frac{6}{8}$$

$$= 2\frac{6}{8}$$
! Let $\frac{1}{8}$ be defined as $\frac{1}{8}$

$$= (10-5) + (\frac{7}{6} - \frac{5}{6})$$

$$= 5 + \frac{2}{6} = 5 = 5 = 5 = \frac{1}{3}$$

$$\frac{2^{\frac{1}{3}}}{5} + \frac{3}{5} + \frac{16}{5} = \frac{29}{5} = 5\frac{4}{5}$$

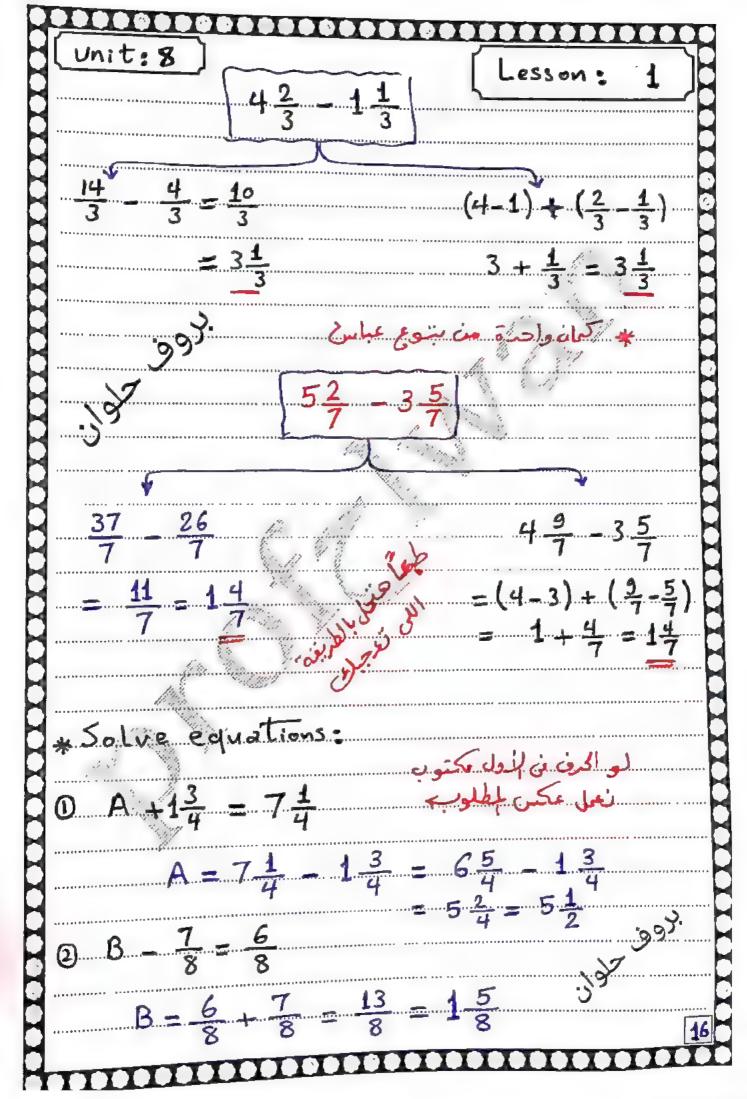
التائية

$$(2+3) + (\frac{3}{5} + \frac{1}{5})$$

$$5 + \frac{4}{5} = 5\frac{1}{5}$$

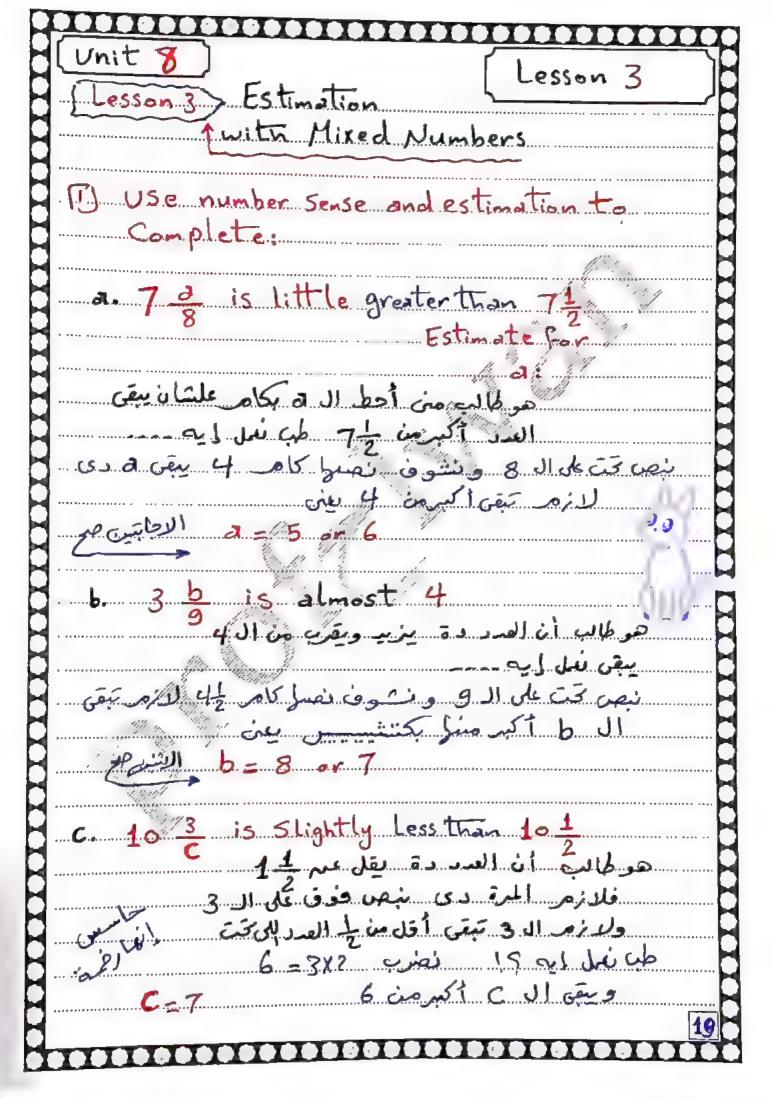


profhelwan



7		
Ħ	3 $2\frac{5}{8}$ $- C = 1\frac{1}{8}$ $C = 2\frac{5}{8} - 1\frac{1}{8} = 1\frac{1}{8} = 1\frac{1}{2}$ $C = 2\frac{5}{8} - 1\frac{1}{8} = 1\frac{1}{8} = 1\frac{1}{2}$	
9	له الحرن في المناوري	d
Z	$C = 2\frac{5}{2} - 1\frac{1}{2} = 1\frac{4}{2} = 1\frac{1}{2}$ (c)	H
		A
Ä	$94-p=1\frac{1}{5}$	H
H	-	Н
	$P = 4 - 1\frac{1}{5} = 3\frac{5}{5} - 1\frac{1}{5} = 2\frac{4}{5}$	Ä
1	. 0. 00	d
H	(Lesson 2) : Finding Like denominators	A
	(Lesson 2): Finding Like denominators use L.C.M	Ħ
\vdash	May the state of t	d
	1) Rewrite The given two mixed numbers with	P
	Like deno in two different ways	Ĭ
	1) Rewrite The given two mixed numbers with Like deno in two different ways	Н
Ž.		P
	الطربقة الأولى: بخبب الـ C.M. الطربقة الأولى: بخبب الـ C.M. الطربقة الأولى: بخبب الـ 4 300 الم	H
		B
ď	<u>4</u> 30	
9	3 15 1 12 2 2 6 6 6 G	
.	$4 = 2 \times 2$	
1	$30 = 2 \times 3 \times 5$	
×	30 = 2 13 13	B
3	$L \cdot c \cdot M = 2 \times 2 \times 3 \times 5 = 60$	R
7-		H
5	الطريقة العائية: نعل Simplify نعل الخيب L.C.M	H
7	$3\frac{1}{4}$ 6 $1\frac{6}{30} = 1\frac{1}{5}$ L.C.M to 4 and 5	X
	is [20]	
4		P
1 -	35 6 1 4 de de la 17	
+		

000000000000000000000000000000000000000	TOOL
Unit: 8 Lesson: 2	
10 5 and 5 15 Uldans	
6 21	
First way LCM for 6 and 27	
[6] [27]	
$6 = 2 \times 3$	9
$27 = 3 \times 3 \times 3$	
The state of the s	,,
L.c. $M = 2 \times 3 \times 3 \times 3 = 54$ 6 $\times 9 = 54$	
27 X2 = 54	
$\frac{10.5x9}{6x9} = \frac{10.45}{54} \times \frac{15x^2}{57x^2} = \frac{5.30}{54}$	Р
	r
Second way 5mplify	o
Second Walling Manual for	h 8
105 15515:3 5 5	е А
27.3 9	I
L.C.M. For 6 and 9	w 8
$6 = 2 \times 3$	n a
9 = 3 x 3	
$\frac{6 \times 3}{16} = \frac{18}{18} = \frac{18}{18} = \frac{18}{18}$	
$L.c.M = 2 \times 3 \times 3 = 18$ $9 \times 2 = 18$	<u></u>
$\frac{1}{10} = \frac{5}{10} = \frac{15}{10} = \frac{5}{10} = \frac{1}{10} = \frac{1}{10}$	01
10 6 18 9 1	3
	18
000000000000000000000000000000000000000	



2) Using estimation to add and subtract

a)
$$6\frac{3}{4} - 2\frac{1}{5}$$

$$\frac{3}{4} \rightarrow 1 \qquad 6\frac{3}{4} \rightarrow 7$$

$$\frac{1}{5} \longrightarrow 0 \qquad 2\frac{1}{5} \longrightarrow 2$$

$$6\frac{3}{4} - 2\frac{1}{5}$$
 estimate $7 - 2 = 5$

b)
$$4\frac{2}{3} + 3\frac{5}{6}$$
 $\frac{2}{3} + 1$

$$4\frac{2}{3} \rightarrow 5$$
 $5 \rightarrow 1$

$$3\frac{5}{6} \rightarrow 4$$
 $4\frac{2}{3} + 3\frac{5}{6}$ estimate $5 + 4 = 9$

c)
$$2\frac{1}{5} + 3\frac{10}{21} - 2 + 3\frac{1}{2} = 5\frac{1}{2}$$

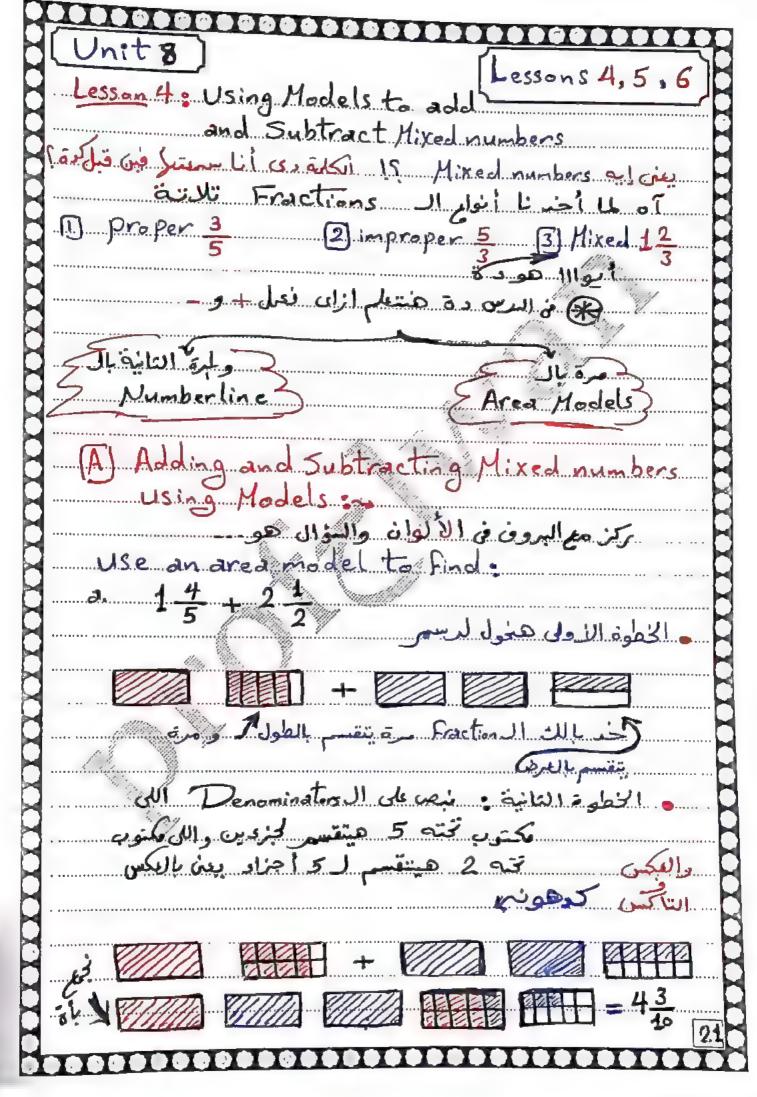
$$4) \quad 4\frac{3}{5} - 1\frac{7}{12} = 4\frac{1}{2} - 1\frac{1}{2} = 3$$

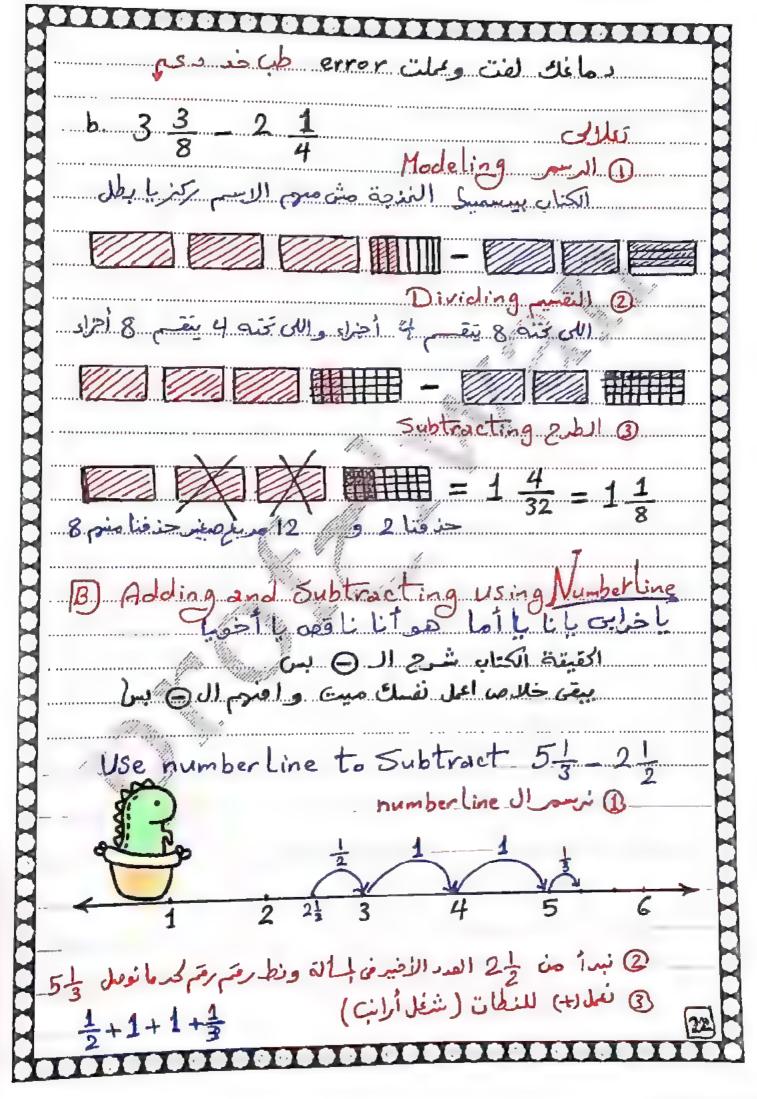
6)
$$3\frac{21}{24} - 2\frac{1}{3} = 4 - 2\frac{1}{2} = 1\frac{1}{2}$$

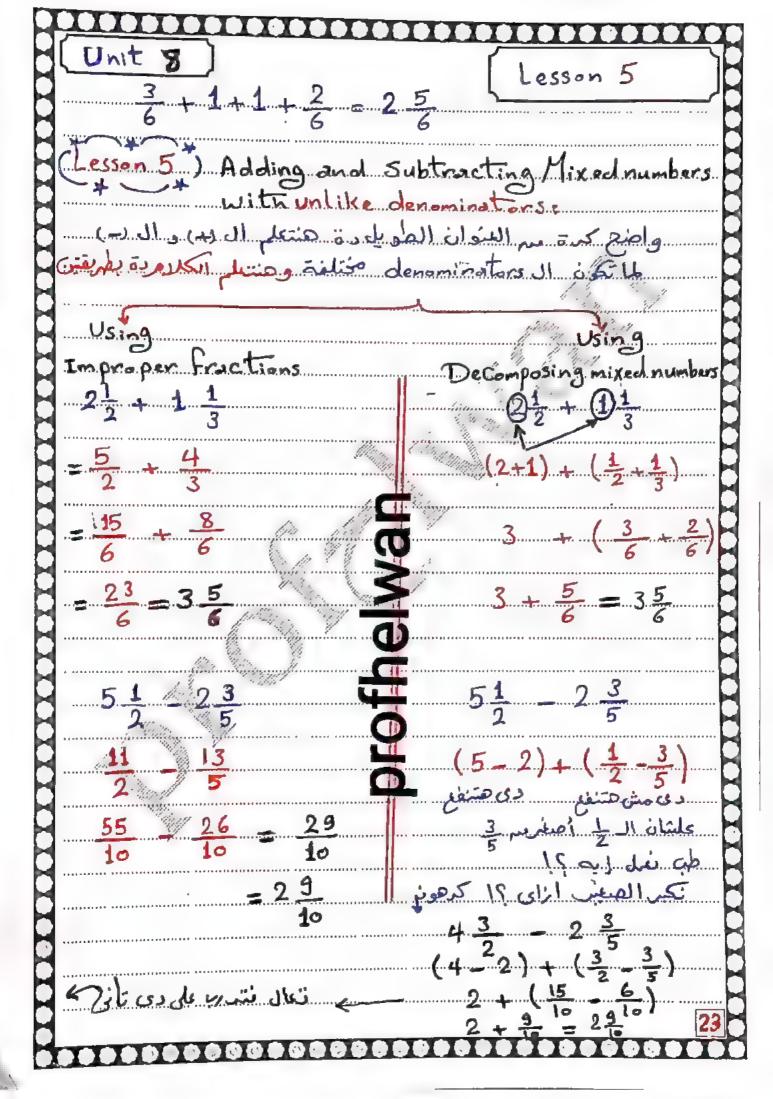
f)
$$9\frac{6}{11} + 2\frac{3}{100} = 9\frac{1}{2} + 2 = 11\frac{1}{2}$$

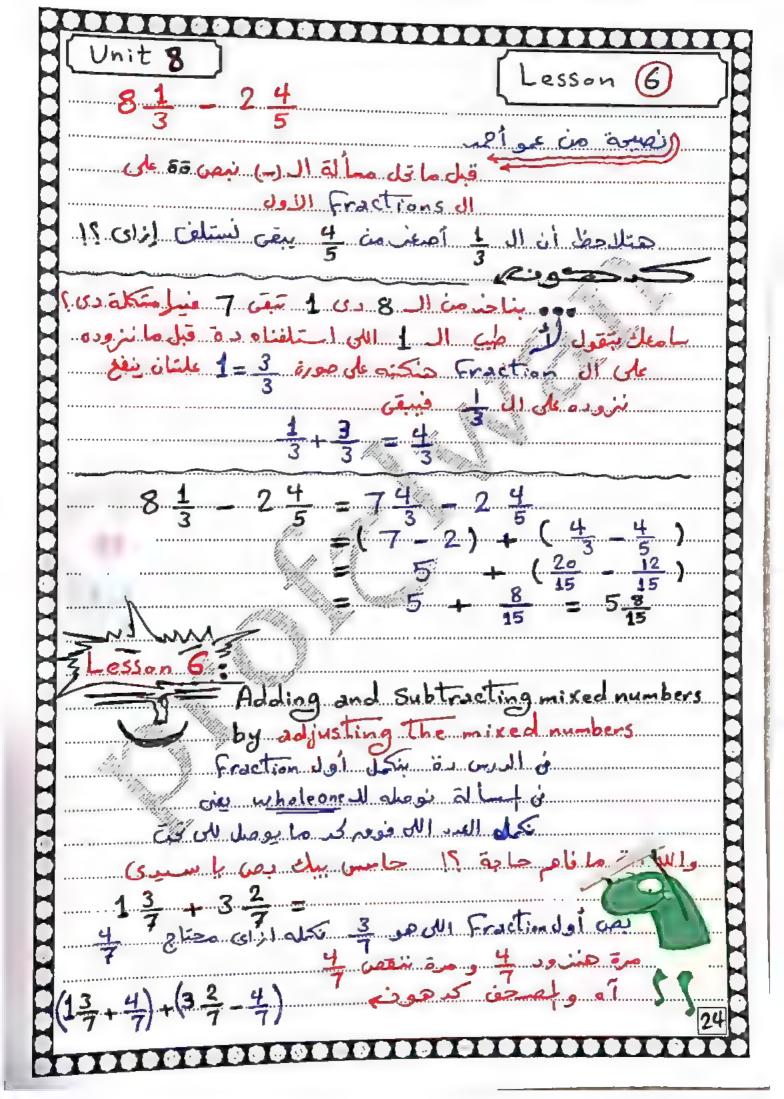
9)
$$7\frac{5}{14} - 3\frac{19}{34} = 7\frac{1}{2} - 3\frac{1}{2} = 4$$

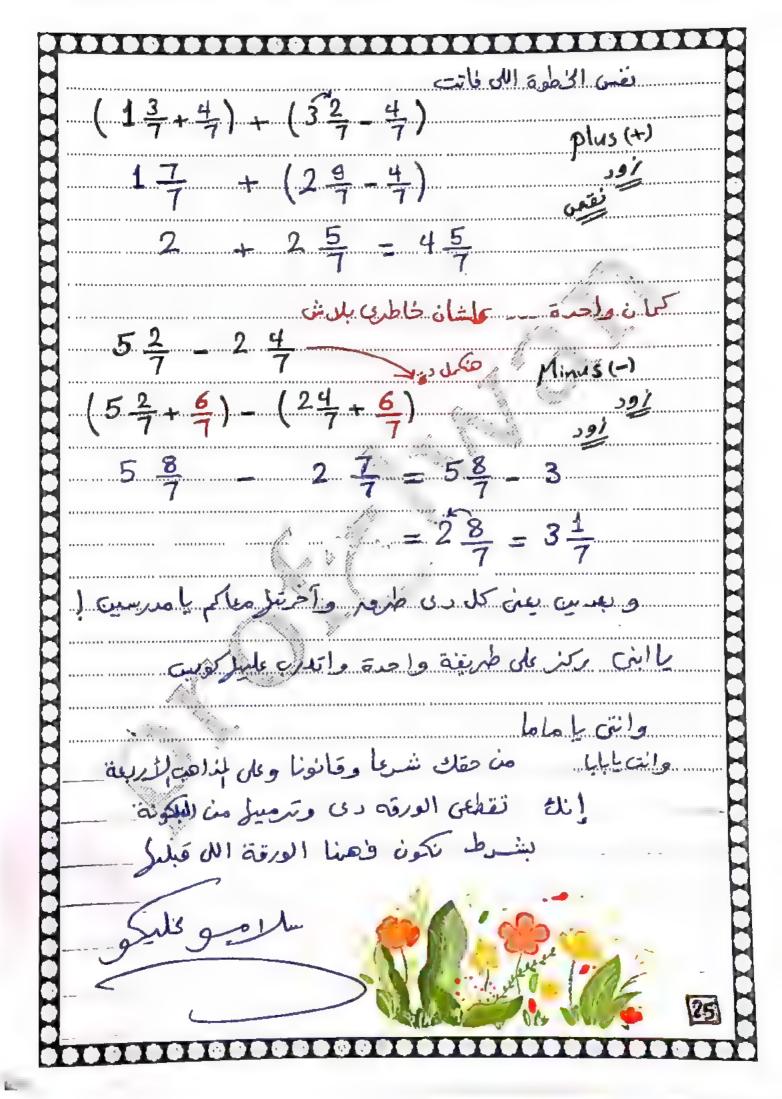
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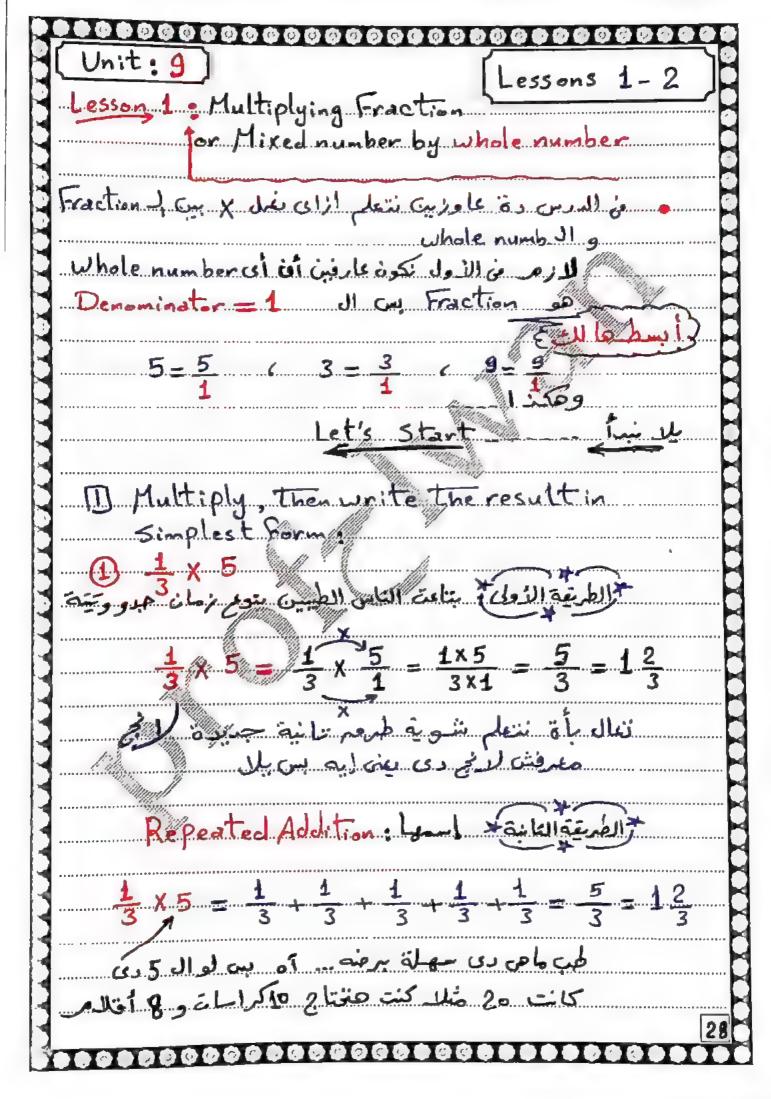


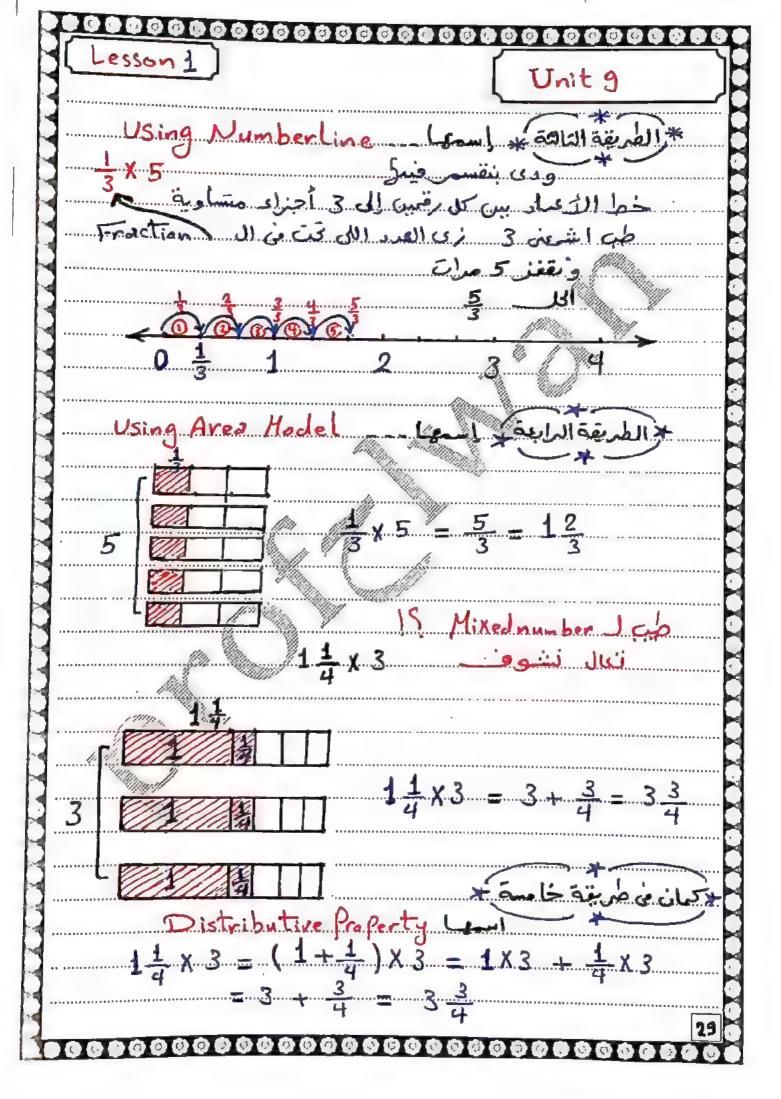




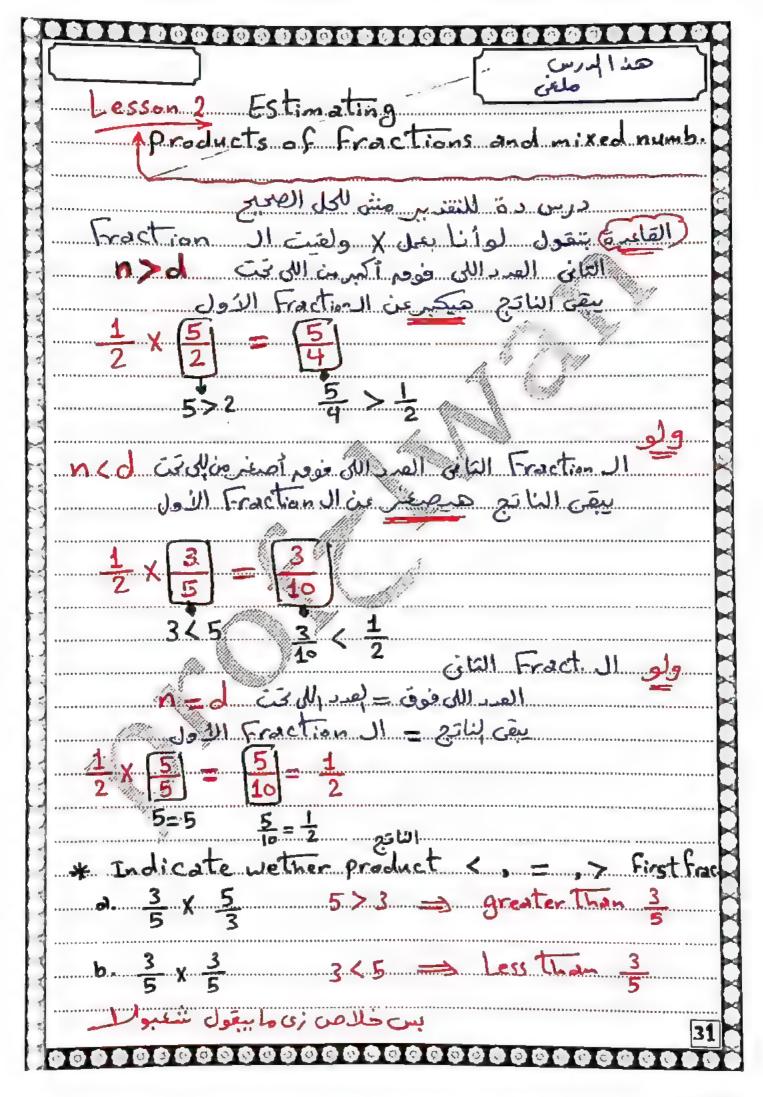
Lesson. 7 Story Problems with Mixed numbers Lesson: 8 More Story problems with mixed numbers. بر کی الماء کام دلوقتی کوانت بتداکر الدرس ده اكب الساعة هذا وصور الورقة وابنتولى وانس 011 277 33 8 4 2 علشان أعرف إنك شاطر وبتذاكر One Minute = 60 seconds 1 year = 6 months 1 year = 3 months 3 year = 9 months 1 year = 4 months 1 day = 12 hours 1 day = 6 hours (Complete) 1 7 1 minutes _ 7 mins and 6 sec. 2 4 3 hours = 4. hrs and 45 mins 3 6 1 year = -6. years and -6 months 1 2 1 hours = [120+ 10] mins = 130 mins 1 xlo 10

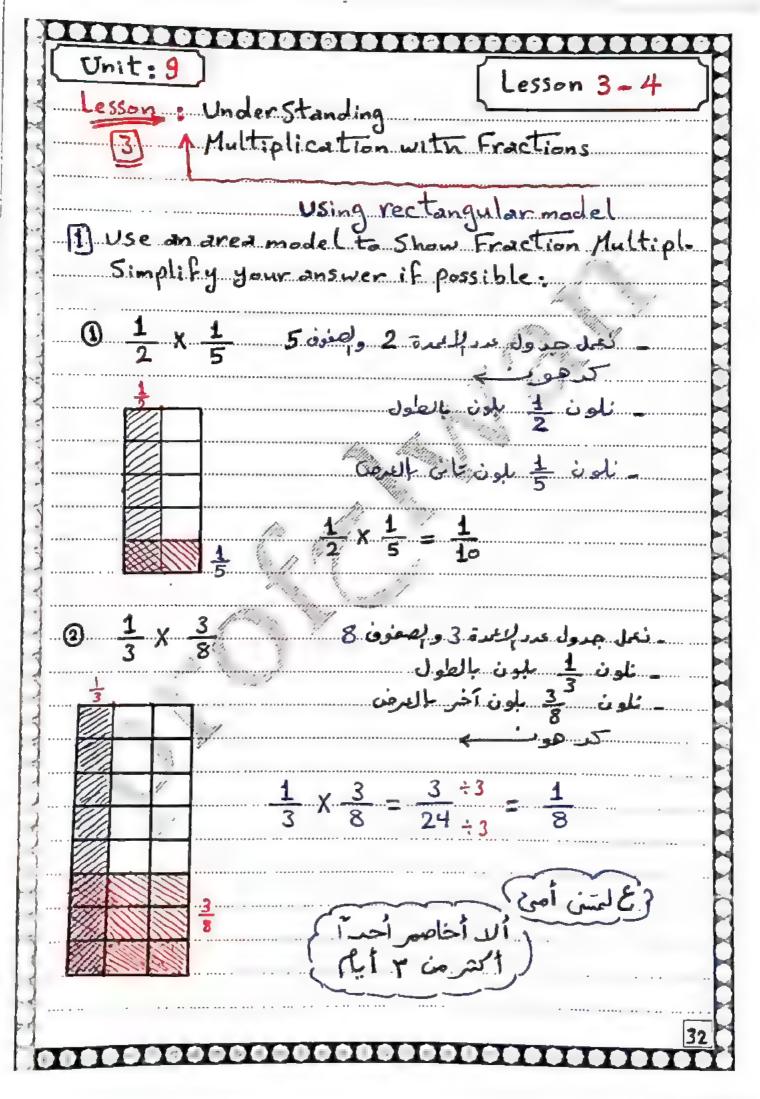
 $\frac{80}{60} = 1\frac{20}{60} = 1\frac{1}{3}$ Lesson 8 . More 5 tory Problem (1) Habiba is planting three plume thistle plants it tack her 5 minute to plant the first one The Second plant took 1 min Langer to plant than the first. The third plant took 1 less than time to plant the secondone How long did it take to plant the third plume thistle? Time of Second = 5 + 1 10 + 1 12 min Time of Third - 11 1 = 55 6 = 49 49 seconds (2) Mond walked 3 3 Km on Monday, 4 1 Km on Tuseday and 27 Km on Wednesday todistance did she walk in all Total distance = 3 3 + 4 1 $= (3+4+2)+(\frac{3}{4}+\frac{1}{3}+\frac{7}{12})$ $9 + (\frac{9}{12} + \frac{4}{12} + \frac{7}{12})$ $=9+\frac{20}{42}$ $=9+1\frac{8}{12}=10\frac{8}{12}=10\frac{2}{3}$

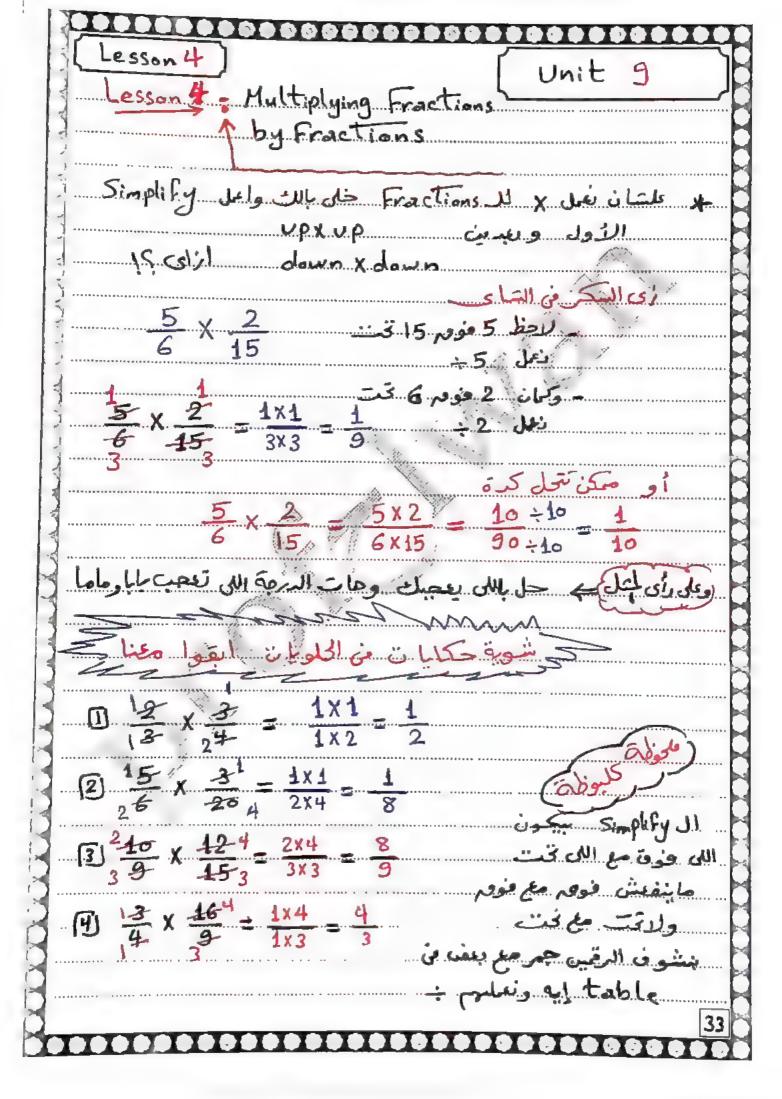




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Lesson	11		Unit	9
	4	***************************************		
	3 1 × 8	m == 1 n f	يعوا به	,
	ر کچین	ى ئادىم بىلەرلىق كىنى	علا مكن سل	6
2 1	- x 6 = -2	g v 6 _	54 - 13 2	= 13.1
	1	+ ^ 1	المش عاحسالع	2
<u> </u>	***************************************	is z	ρ '	
2	ىلنا ÷2 × 6 = غ 2 غ	s a 3	ب دی کمانے	حب میر
2 1/4	x 6 =	1 X-6 =	$\frac{9}{2} \times \frac{3}{1} = \frac{27}{2}$	$= 13\frac{1}{2}$
M	2	*	آخرطرينة:	
7 1	v/ _ (24)		ا فر طریقه	<i>ب</i>
4	x.6 = (2x)	3 2 -	12 + 1 =	131
1		2 7	2	2
1 EZ	Z notice t	hat 2 of	The Grose b	ushes
		· 1/1/15	rose bushes are	
}	lnswer =	2 × 62 =	$\frac{2}{1}$ x 2 = $\frac{4}{1}$	
3		<i></i>	<u> </u>	······
12 00	plete		***************************************	······································
0 4	7 /	. 4_7		·····
140000	7 x =			
1 0 if	<u>/੫</u>	4 2		
3	4 2	6 13 Elale		
÷	13 13	الخالطاء	a= 6 1) cen	
	4 × 6 =	4	7	
	19	13 d.	= 6 or 1 1/2	
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TATE				Take and

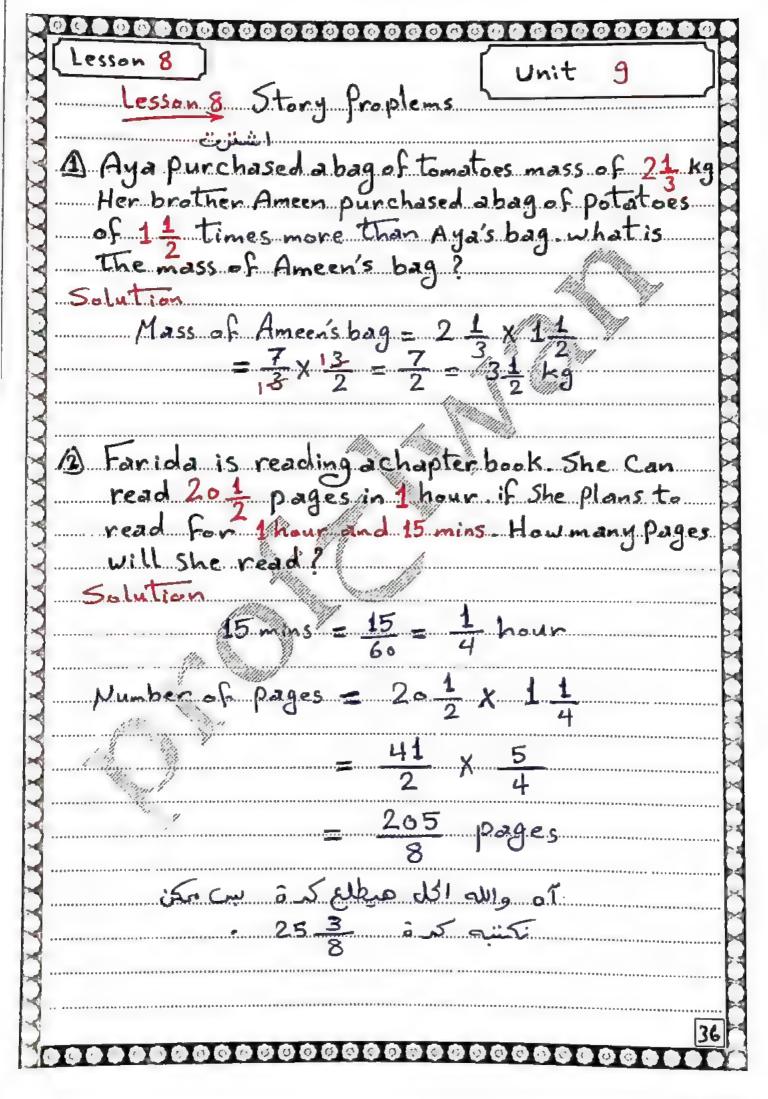




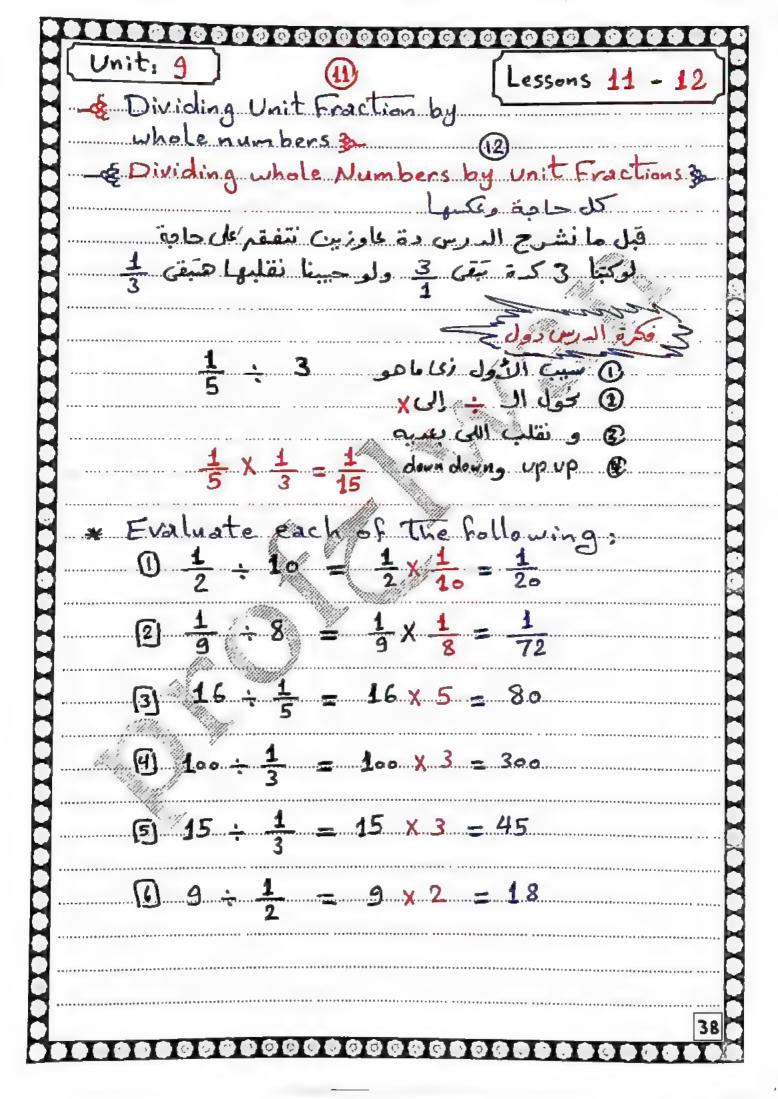


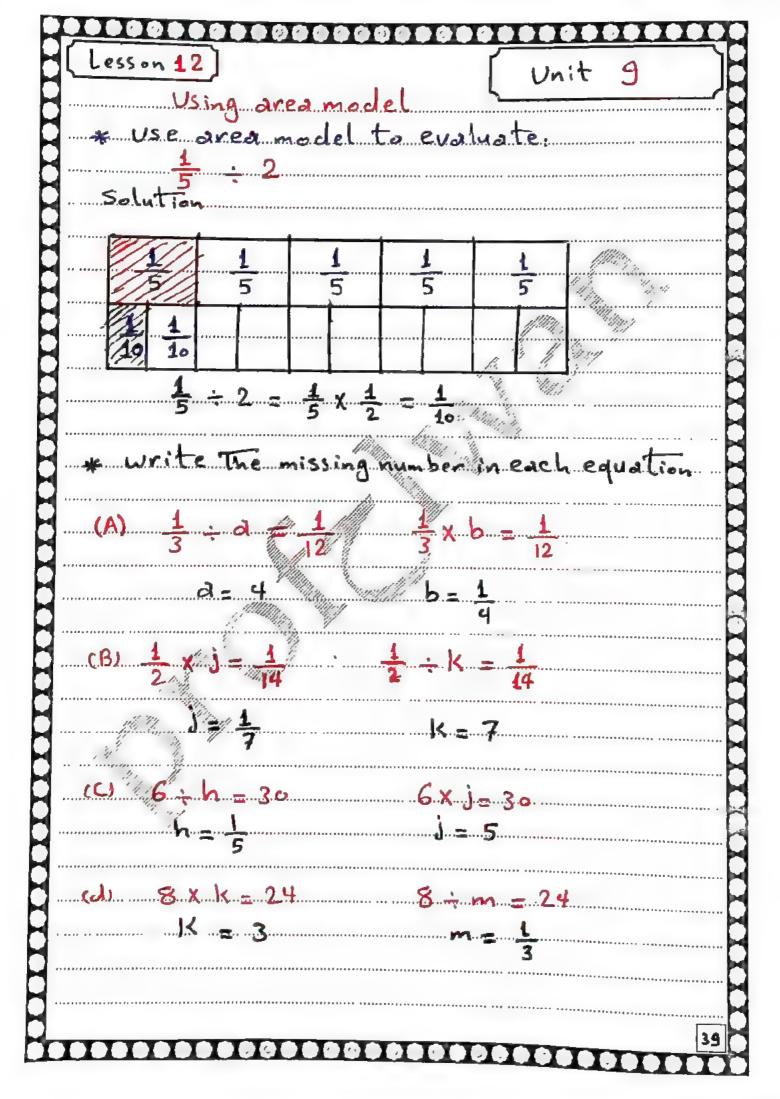
	TY
Lesson 4 Unit 9	
5 Excellent pupils 32	
للشطام وبس الأغبياء بمنتعون	
G 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
$1) \frac{12}{13} \times \frac{26}{17} \times \frac{7}{84} = \frac{1 \times 2 \times 1}{1 \times 1 \times 4} = \frac{2^{1}}{2^{4}} = \frac{1}{2}$	
2^{24} $x^{15}25$ y^{13} $2x1x4$ y^{2}	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	×
And the state of t	\sim
$\boxed{2} \frac{14}{17} \times \frac{14}{624} \times \frac{31}{5} = \frac{21}{165} = \frac{1}{5}$	
$4) \frac{1}{2} \times \frac{12}{3} \times \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6} \times \frac{6}{7} \times \frac{7}{8} = \frac{1}{8}$	
12 13 14 5 6 7 8	
	2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	\
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8
	X
(8) 0.6 x 15 x 8 = 36 x 15 x 8 = 1	
The state of the s	2
Complete	×
* 27	X
$\frac{1}{4} \times \frac{1}{3} = \frac{7}{12} \qquad b \frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$	\
district controllers to contain an annual controllers and an annual co	Q
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	X
	×
* 1	34
	10

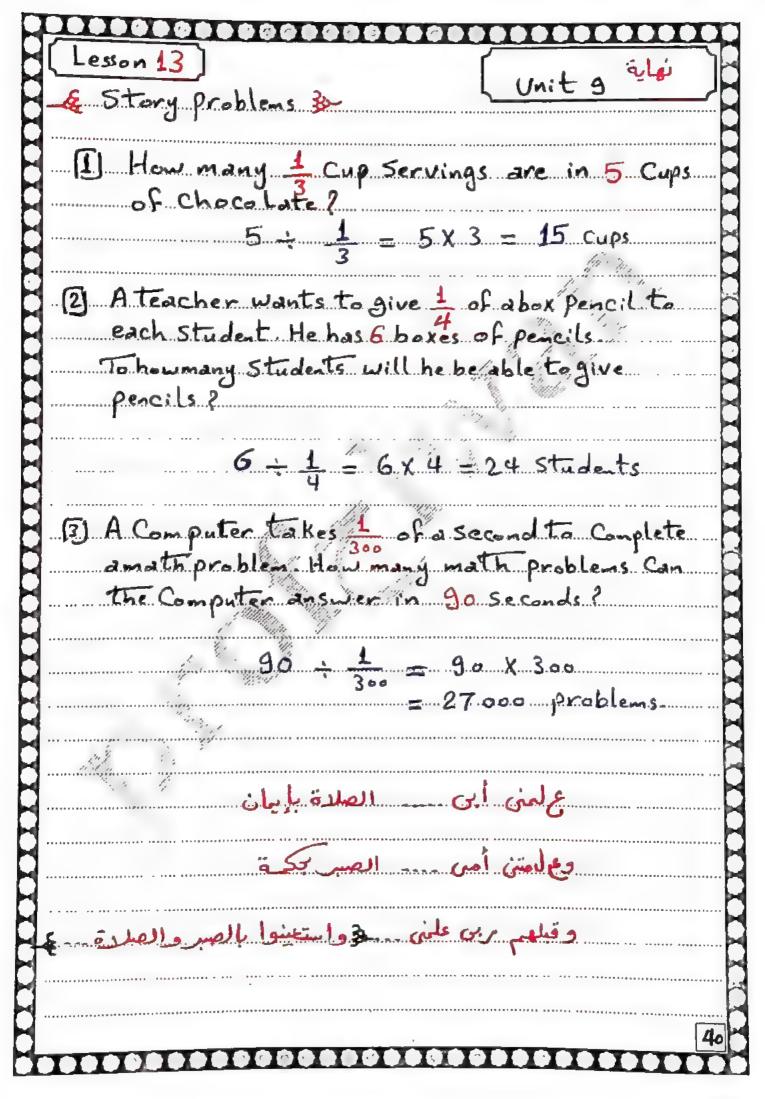
***********	***********
Unit: 9	Lessons 5-6-7
Lesson 5 Multiplying a	mixed number
2 by Fraction o	or mixed number.
(1) 3 4 x	
O	
الطريقة لاولى	الطريقة للاية 5 <u>25- × 1</u> 7 × 5
$\frac{4}{7}$ $\frac{4}{5}$ $\frac{1}{5}$	7 X 5
$(3x\frac{1}{5})+(\frac{4}{7}x\frac{1}{5})$	
٧	$\frac{5 \times 1}{7 \times 1} = \frac{5}{7}$
3x7 4 5x7 35	حلوة أهى وزى لفل
The state of the s	
$\frac{24}{35}$ $\frac{4}{35}$ $\frac{25}{35}$ $\frac{5}{7}$	improper fraction
[
Distributive property	(2) 5 1 x 2 5
(2) 5 = X 2 =	
	246 X 24 7
$(5+\frac{1}{3})$ $\times (2+\frac{5}{8})$	0 2 7
1-4-1 /FUEL (1401 11)	$\frac{2x7}{1x1} = \frac{14}{4} = \frac{14}{4}$
$\begin{array}{c} (5\times2) + (5\times5) + (\frac{1}{3}\times2) + (\frac{1}{3}\times2) \\ 10 + \frac{25\times3}{8\times3} + \frac{2\times8}{3\times8} + \frac{5}{24} \end{array}$	8
8x3 3x8 24	شون کل ده آد ایم ا
75 16 5	و ده ادریم
10 + 75 + 16 + 5	
10, 95 - 10+4-	- 14
10+96 - 10+4=	
اخصعل دى مسألة لمكرة	
1	
	35
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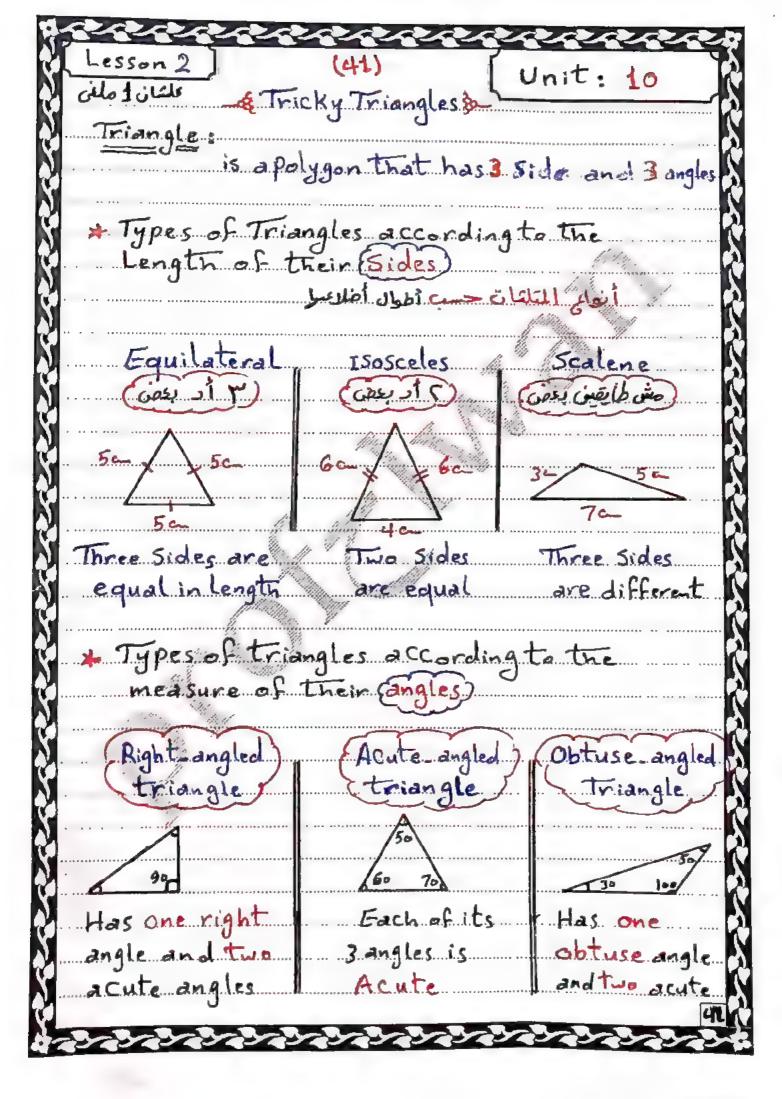


Lessons 9- to Fractions as Division & Story problems involving Fractions. * Division Algorithm 1) The price of 7 pens is 13 LE Find To Price of each pen? [2] Ali van 20 Km in 90 mins. How many Kilometers per minute did he run? He ran = 20 : 90 = 2 Km per min 3 Shehab has 6 house plants it took him 45 inte replant them. How long did it take him to replant each one.

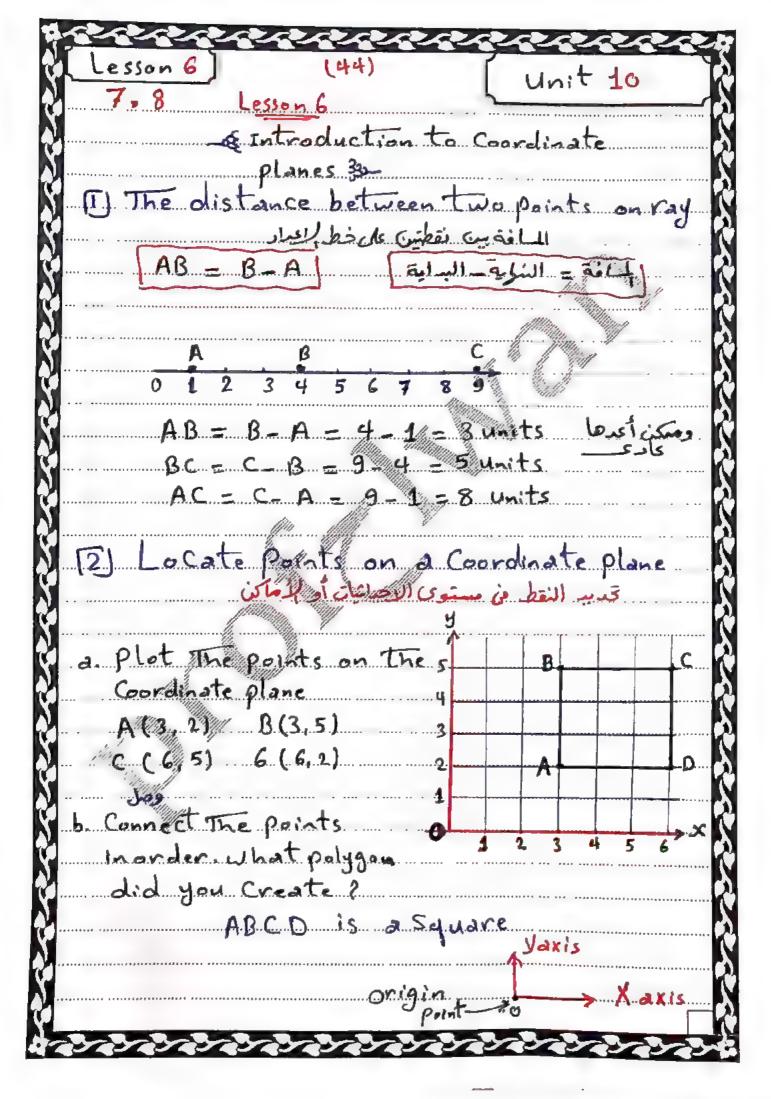


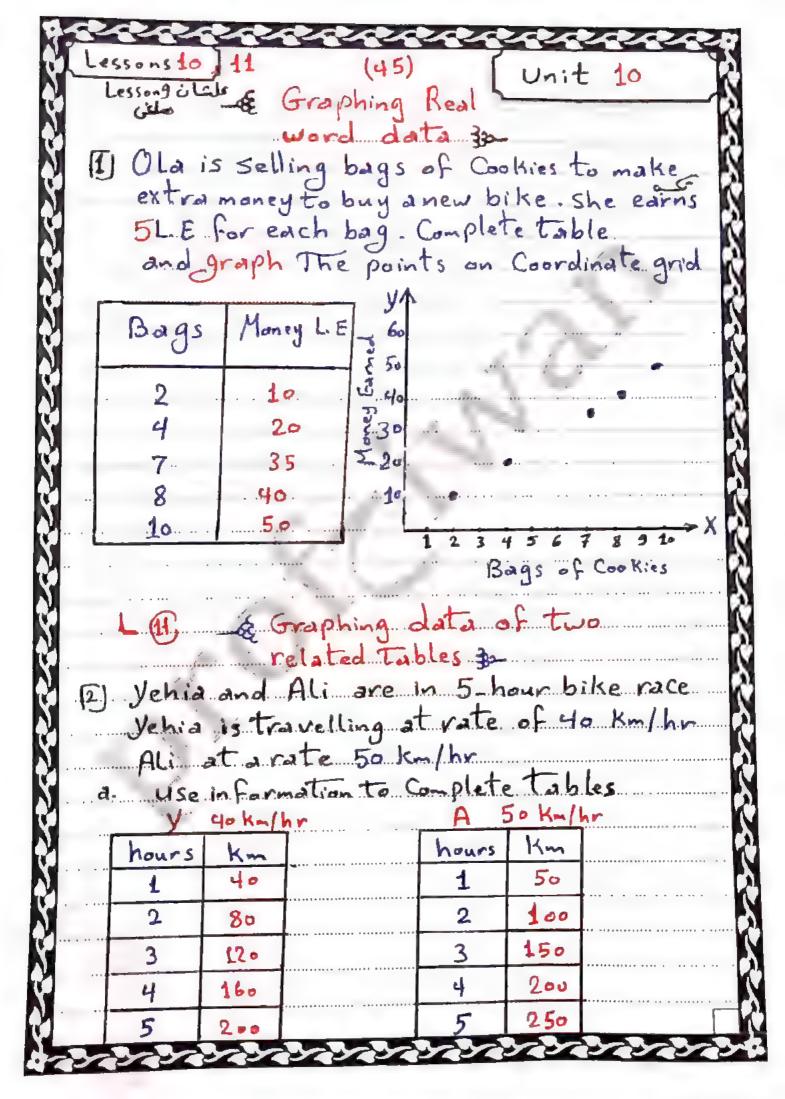


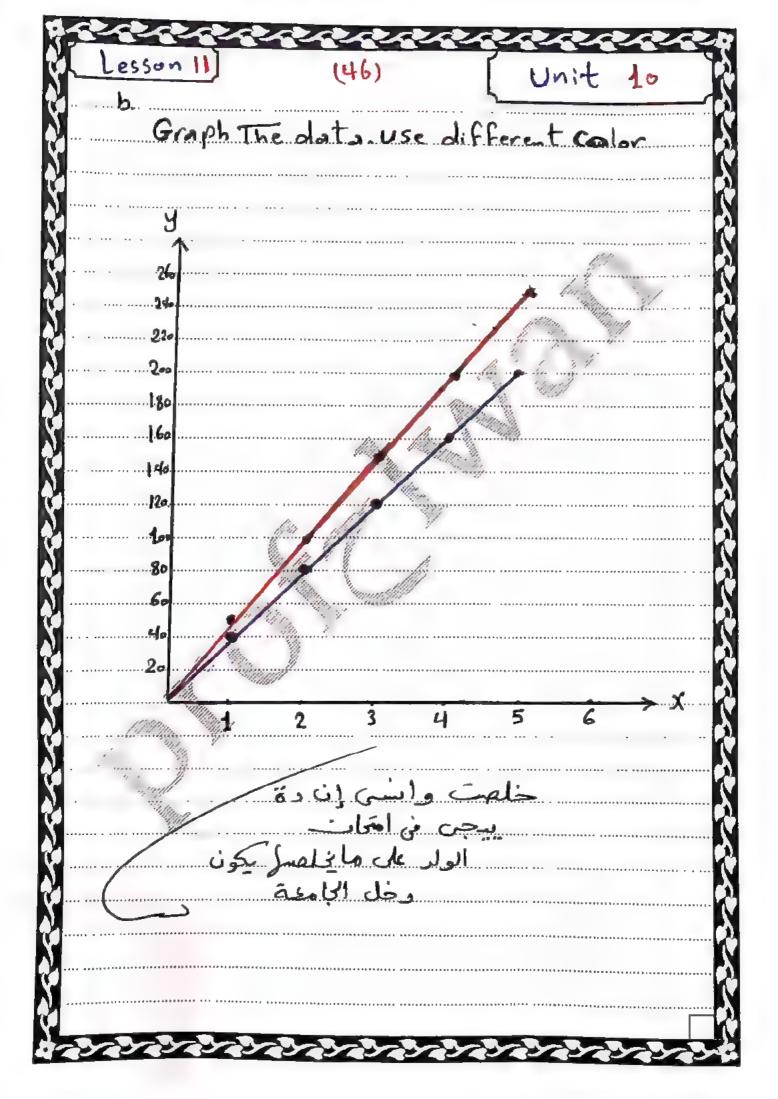




	3
Lesson 3 (43) Unit 10	K
4,5 5 & Using tiling to Calculate Area in malfile	R
الوحدات (البلاط)	
1. Count the unit tiles to determine	1
area of rectangle.	N
البرايات المرايات	K
1 2 3 4 Number of tiles = 12 tiles	K
or	R
$A = LX \omega = A = A = A = A = A = A = A = A = A =$	
Square Units	
2. Draw arectangle with an area of 15	N
Square Units	K
2	R
3.0	
3. Draw rectangle with diminsions 4½ units and 3½ units	N
2 Units and 3 - Units.	N
	K
1 1 1 1 5	
21 1 1 1 1	
² 1 1 1 1 ½	A
1 1 1 1	
100 100 701 1 10 01 1	N
Area = $4 \times 3 + 7 \times \frac{1}{2} + \frac{1}{4} = 12 + 3 \frac{1}{2} + \frac{1}{4}$	K)
- 15 3 c 1	?
= 15 3 Square units	
and the second s	4







3-D Shapes							
	Name		ture	Face /	Edges	verto	S Parse
	Cube	I	1	6	12	8	Squ
	Cuboi	d [6	12	8	Rec.
	Pyram	id (5	8	5	Tri.
	Cylind	er [2	0	0	Circli
	Cone	J. L	3	1	0	1	Circle
, .	Sphere		0	0	0	0	No

Lessons 3,4

(49)

unit 11

- Same Value

Different Shapes 300

Volume = claplas X aub diciles aus

- 1. Complete, where the unit cube is 1 cm³
 - a. D.1. Number of horizontal layers = 2
 - 2. Number of cubes in each horizontal layer= 12
 - 3. Volume = $2 \times 12 = 24 \text{ cm}^3$



- b. 1. Number of horizontal layers:
 - 2 Number of cubes in each horizontal layer 10
 - 3. Volume = $1 \times 10 = 10 \text{ cm}^3$



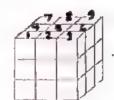
- c. 1. Number of vertical slices. 3
 - 2 Number of cubes in each vertical silice: 4
 - $\pm Volume = 3 \times 4 = 12 \text{ cm}$

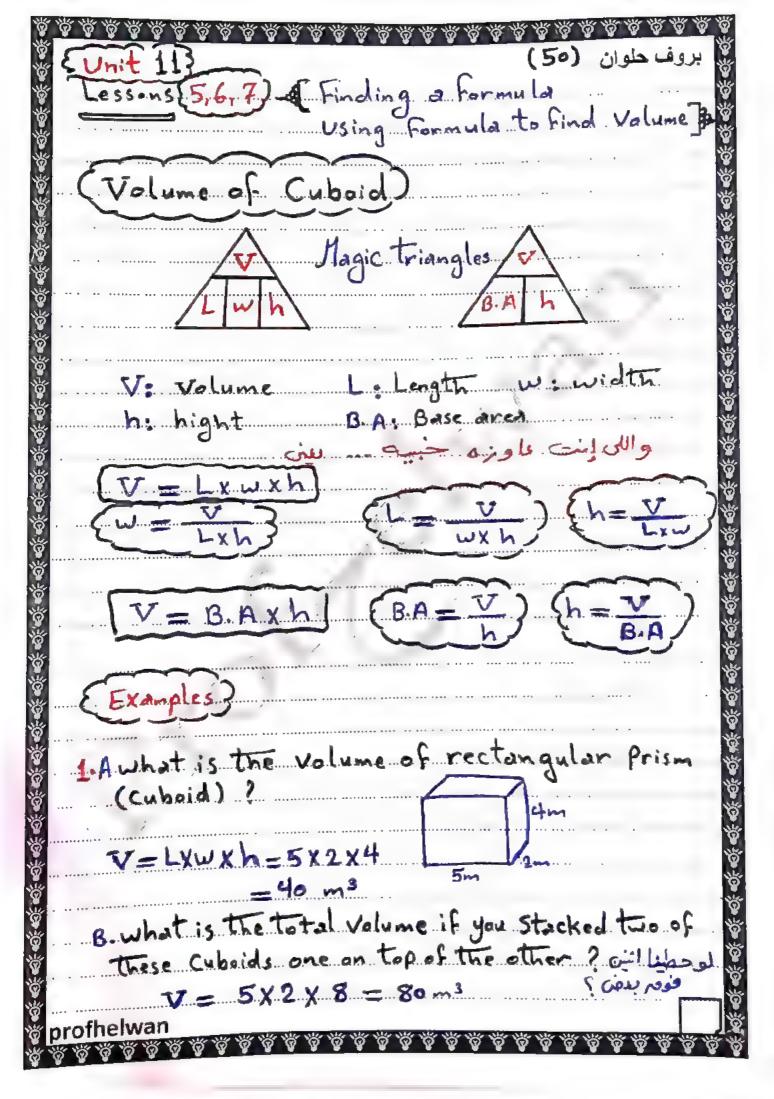


- d. IB 1. Number of vertical clices 6
 - 2 Number of cubes in each vertical dice: 5
 - 3 Volume = 6 $\times 5 = 30 \text{ cm}^3$



- e. 1. Number of horizontal layers: 9
 - 2 Number of cubes in each horizontal layer: 3
 - $3 \text{ Volume} = 9 \times 3 = 27 \text{ cm}^3$







(51)

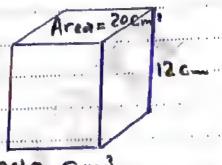
بروف حلوان

2. Radwa Says that more information is needle find the volume prism.

Do you agree or disagree?

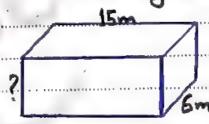
I disagree because child information is enough and to find volume using Formula V = B.A.X.h.

V = 20 X12 = 240 C



3. The volume of rectangular prism 630 m3. How you could find the missing dimension?

H = V



 $H = \frac{630}{15\times6} = 7cm$

4. The volume of rectangular prism is 400 cm³
Adham Says the missing dimension is 350 cm
Amira Says The missing dimension is 8 cm which
Student is Correct and why?

H = V - 400 = 8cm

10cm

Amira is Correct

Lessons 5-6-7

(52)

Unit: 11

1. Complete, where the length unit is 1 cm.

Length: 4 cm

Width: 3 cm

Height: 3

Volume: 413x3 cm

b.

Length: 4 cm

Width:

Height: 4 cm

Volume: 32 cm3

Length: 3

Width: 2 crn

Height: 3 cm

Volume: 18 cm 4x1x1 (3×2×3)

d.

(4x2x4)

Length: 4 cm

Width: -1 - cm

Height: 4 cm

Volume: 4 cm

يلا يا هائم ــ بلا يابيه من هنصعصع ولا إيه ؟

e.



Length: crn

Width:

Height: Crn

_ cm³ Volume:

f. .

Length:

Width:

Height:

Volume:

om³

g.

Length: Eff

Width: CEE

Cffi Height:

_ cm³ Volume:

h.



Length:

ETT1

Width:

Height:

cm

Volume:

cm²

بروف حلوان (53) (53) بروف حلوان (53) (53) جو (53) جوديات (53) جود

(1) Ajuice Case in the Shape of Cuboid its base is Square-shaped of Side length 6cm and its hight is 15 cm Calculate The Volume of it?

V = Lxwxh = 6x6x15 = 540 Cm3

(2) A Swimming pool is in the Shape of Cuboid its base is of length 60 m and its width 40 m Find depth (hight) if 36000 m3 of water fill it "Completely?"

L= Gam

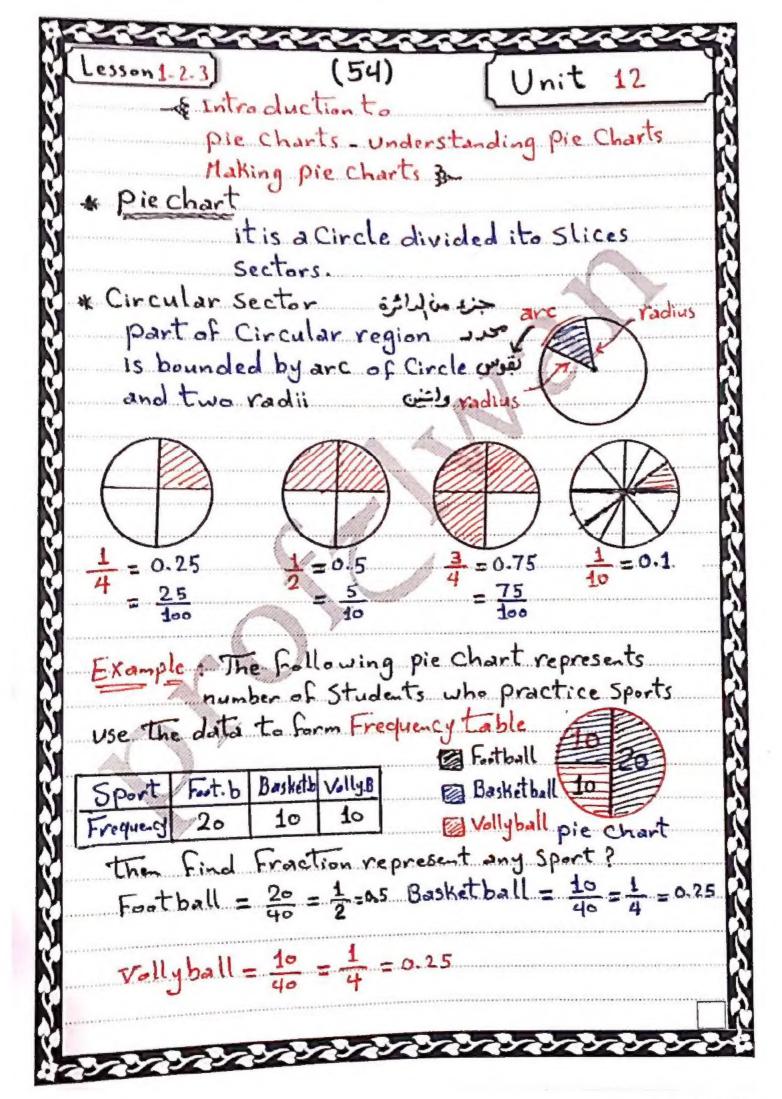
h = V = 36000 = 15 cm

(3) Abuilder used too bricks for building up awall if each brick is in the Shape of Cuboid of dimensions 25, 12 and 6 cm. Calculate the Volume of the wall?

Volume of one brick = 25 X12 X6 = 1800 cm3

Volume of The wall = 1800 x 100

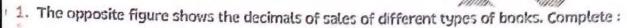
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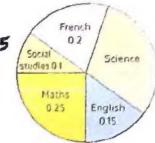
Sport	Foot	Basket	Volly	
Fraction	1	4	4	

Sport	Foot	Basket	Volly
Decimal			

Another examples:



- a. The sales decimal of French books is 0.2
- b. The sales decimal of Science books is (1-0.2-0.1-0.25
- c. The least sales decimalis in Social Studies



d. The ascending order of books types according to the decimals of sales is: 5.5

English , French , Maths and Science



- 2. The opposite figure shows the favorite hobbies for 100 pupils in the fifth primary, study the figure, then answer: 22 + 25 + 18 + 20 + 15 = 100School
 - a. What is the fraction of the theatre with respect to all hobbies?
 - b. What is the fraction of the broadcast with respect to all hobbies?
 - c. What is the measure of the central angle of the sector of the music? 20 x 360 = 72
 - d. What is the hobb, that the least pupils prefer? Rangers
 - e. What is the hobby that the most pupils prefer? Theatre

Theatre

Rangers

broadcast 22

Music

School

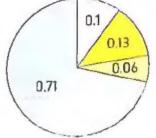
0000	e) T
Lessons	1-2-3

(56)

Unit 12

3. The opposite figure shows the distribution of the natural components of the earth's surface, study the figure, then complete the following table.

The components of the earth's surface	Water natural supplies	Vallles	Hills	Mountains
The decimal of the forming	0.71	0.13	0.06	0.1



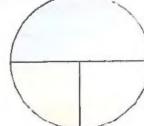
- a. What is the component which represents the smallest decimal of the earth's surface? 14:115
- b. What is the component which represents the greatest decimal of the earth's surface?

Water
Hills
Vallies
Mountain:

4. The following table shows the number of students who practice sports.

Represent these data using the pie chart on the opposite figure.

Sport	Football	Basketball	Volleyball	
Number of students	20	10	10	



يلاحل يا بطل

5. When some students were asked about the most popular TV programs, the following data were extracted

 $rac{1}{2}$ of the students like to we tah **Sports** programs.

 $\frac{1}{4}$ g interstudence the corrector **Cultural** programs.

of the students like to water Arabic and foreign movies.

1 Tono sour onte tixa to visitoh news



b. ifthe number of all students was 48 students, what is the number of students who prefer watching each type of programs?

سوحة صوليا بـ CamScanner

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0000	Prof.	حلوات	00000	0000	00000
lessons		(57)		Unit	12
6. The following hours that a	ng table shows ti Marwa studied in	ne fractions of different subj	the number of ects in a week.		7
Subject	Arabic Maths		glish		
Fraction	10 2 5.		3		
Represent ti	nese data by the				
	111111111111111111111111111111111111111	7	m Structure		,
7. For e	ach task, select	the circular de	grees that mate		of the circle
that is sl	naded. (A circle I	nas 360 degree	5).		
ñ. (\oplus	b. (\rightarrow	c (
A. 180°	B. 45°	A. 180°	B. 90°	A. 50°	B. 120°
C. 60°	D. 90°	C. 120°	D. 45°	C. 60°	D. 30°
d.		e. (
A. 60°	B. 270°	A. 45°	B. 60°		16.4
C. 150°	D. 120°	C. 30°	D. 90°		
				- common - c	
October:	ving table show				arms during
	-	farm Firs	st Second	Third	
, then the	representation o	of these data by	the pie chart is	-	******
Second Third First	10	Second st Trigs	First Second Thire) (Second First
Α.	ول ليلة من رم	B.	C.		D.
صان ۱۹۹۹ و	ول سله مي اه	عد الله	1 000		